

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____DATE FILED 5-24-85

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. U-0149776

INDIAN

DRILLING APPROVED: 6-3-85 - GAS (EXCEPTION LOCATION)

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

FIELD:

UNIT:

COUNTY:

GRAND

WELL NO.

FEDERAL 28-34

LOCATION

1072' ESL FT. FROM (N) (S) LINE. 1471' FEL

FT. FROM (E) (W) LINE.

API #43-019-31188SW SE

1/4 - 1/4 SEC.

28

TWP.

RGE

SEC.

OPERATOR

TWP.

RGE

SEC.

OPERATOR

19S21E28NICOR EXPLORATION CO.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(Other instructions on
reverse side)

5. Lease Designation and Serial No.

U-0149776

6. If Indian, Allottee or Tribe Name

N/A

7. Unit Agreement Name

N/A

8. Farm or Lease Name

Nicor

9. Well No.

Federal 28-34

10. Field and Pool, or Wildcat

UNDESIGNATED Wildcat

11. Sec., T., R., M., or Blk.
and Survey or Area

28-19S-21E SLBM

12. County or Parrish 13. State

Grand Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil
Well ☐Gas
Well ☒

Other

Single
Zone ☐Multiple
Zone ☒

2. Name of Operator

Nicor Exploration Co.

(303)-232-9292

3. Address of Operator

1667 Cole Blvd., Golden, Co. 80401

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

1072' FSL & 1471' FEL

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office*

12 air miles NE of Thompson, Utah

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drlg. line, if any)

1072'

16. No. of acres in lease

640

17. No. of acres assigned
to this well

640

18. Distance from proposed location*
to nearest well, drilling, completed,
or applied for, on this lease, ft.

N/A

19. Proposed depth

5800'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

7405' grd.

22. Approx. date work will start*

Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/4"	8 5/8"	17*	0-600'	
7 7/8"	5 1/2"	15.5*	0-5800'	

1. Request APD not be approved until 30 days after the date that
the accompanying right-of-way has been granted.

2. Drilling program is on following pages.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 6/3/85

BY: John R. Baya

WELL SPACING: 6-3 (c)

RECEIVED

MAY 24 1985

DIVISION OF OIL
GAS & MINING

RECEIVED

MAY 24 1985

DIVISION OF OIL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

Title: Consultant/Agent for Nicor

Date

5-23-85

(This space for Federal or State office use)

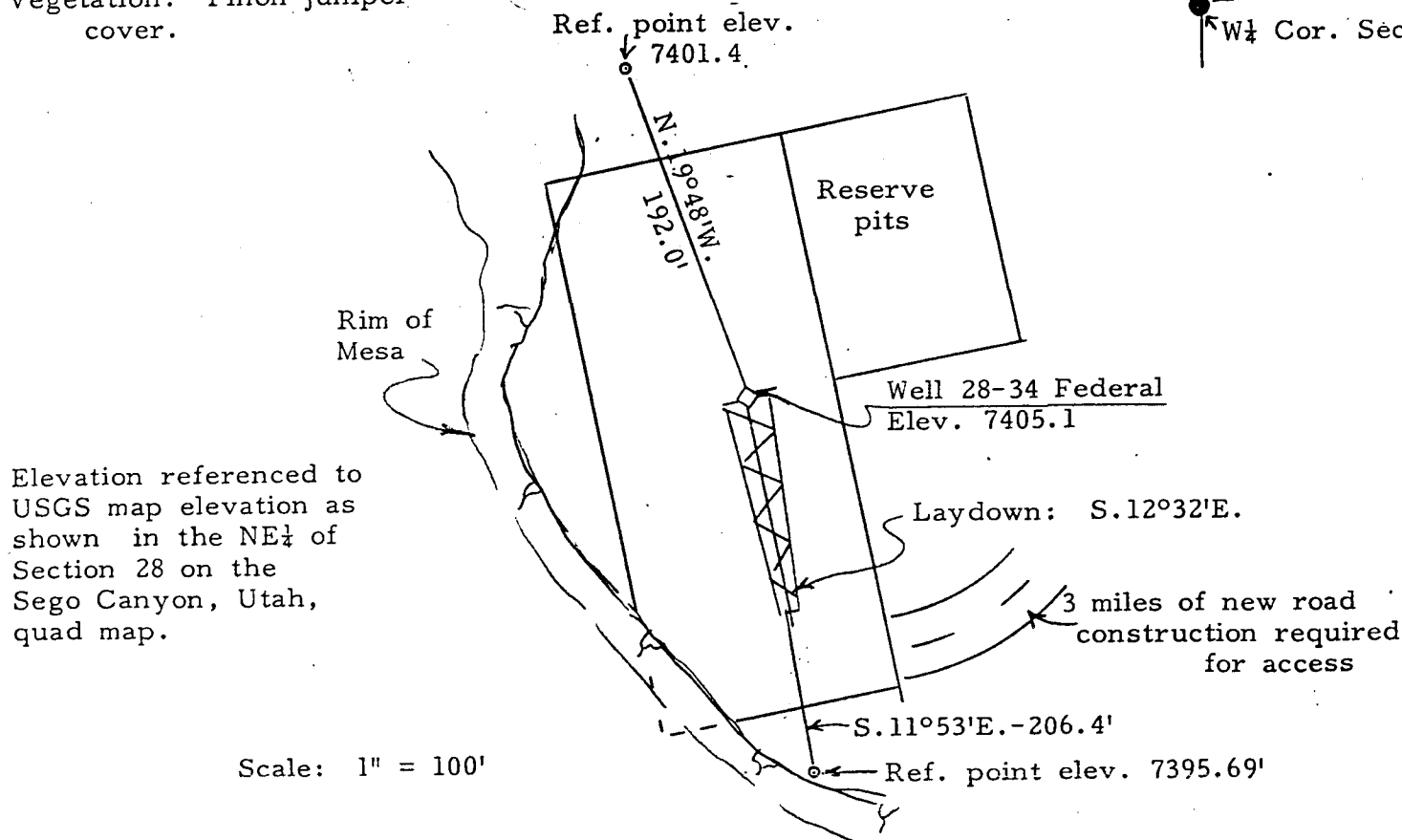
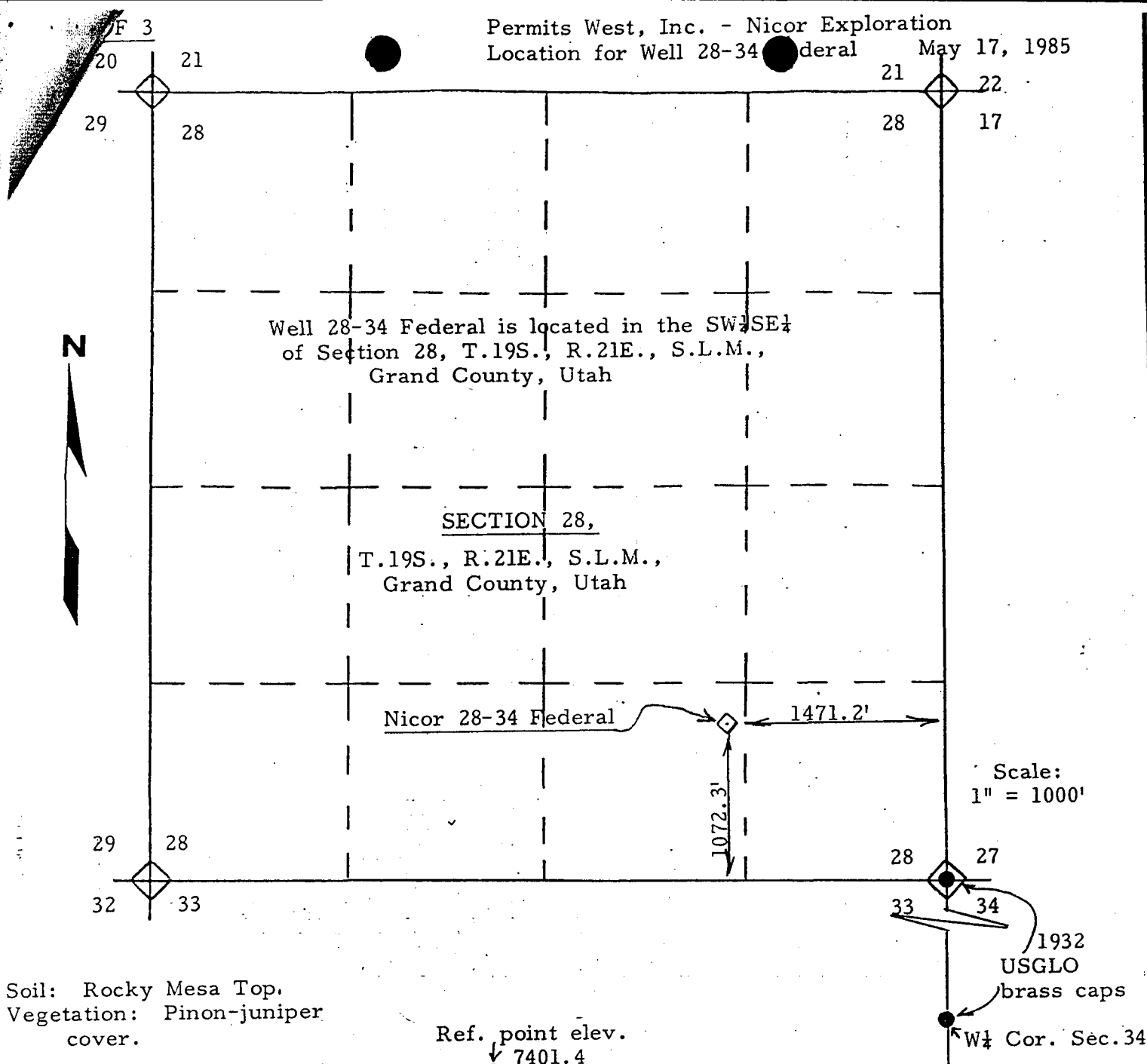
Permit No.

Approval Date

Approved by
Conditions of approval, if any:

Title

Date



NOW ALL MEN BY THESE PRESENTS:
THAT I, FREDRIC P. THOMAS
hereby certify that I prepared this plot from an actual and accurate survey of the land and that the same is true and correct to the best of my knowledge and belief.

Fredric P Thomas

FREDRIC P THOMAS
Reg. L.S. and P.E.
Colo. Reg. No. 6728

Utah Reg. No. 4346

Bearing by
Solar
observation



THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

Nicor Exploration Co
Nicor Federal Land Bank
1072 FBL & 1471 FBL
Sec 28, T19S, R7E
Grand County, Utah

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NEW CONSTRUCTION

BUILDINGNESS STUDY AREA BOUNDARY

WATER
SOURCE

EXISTING ROAD

Cunningham
Ranch

Spruce
mine

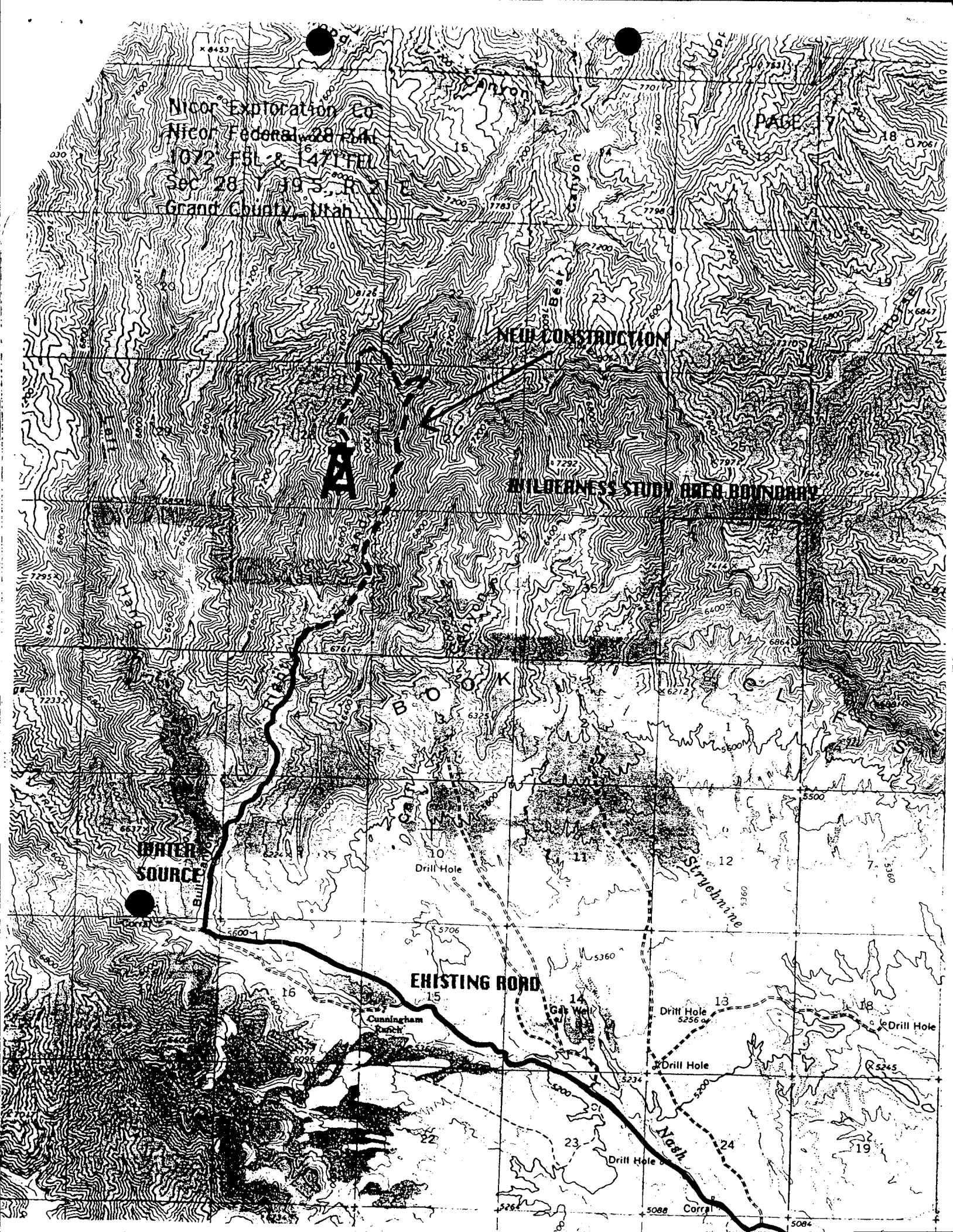
Drill Hole
5256

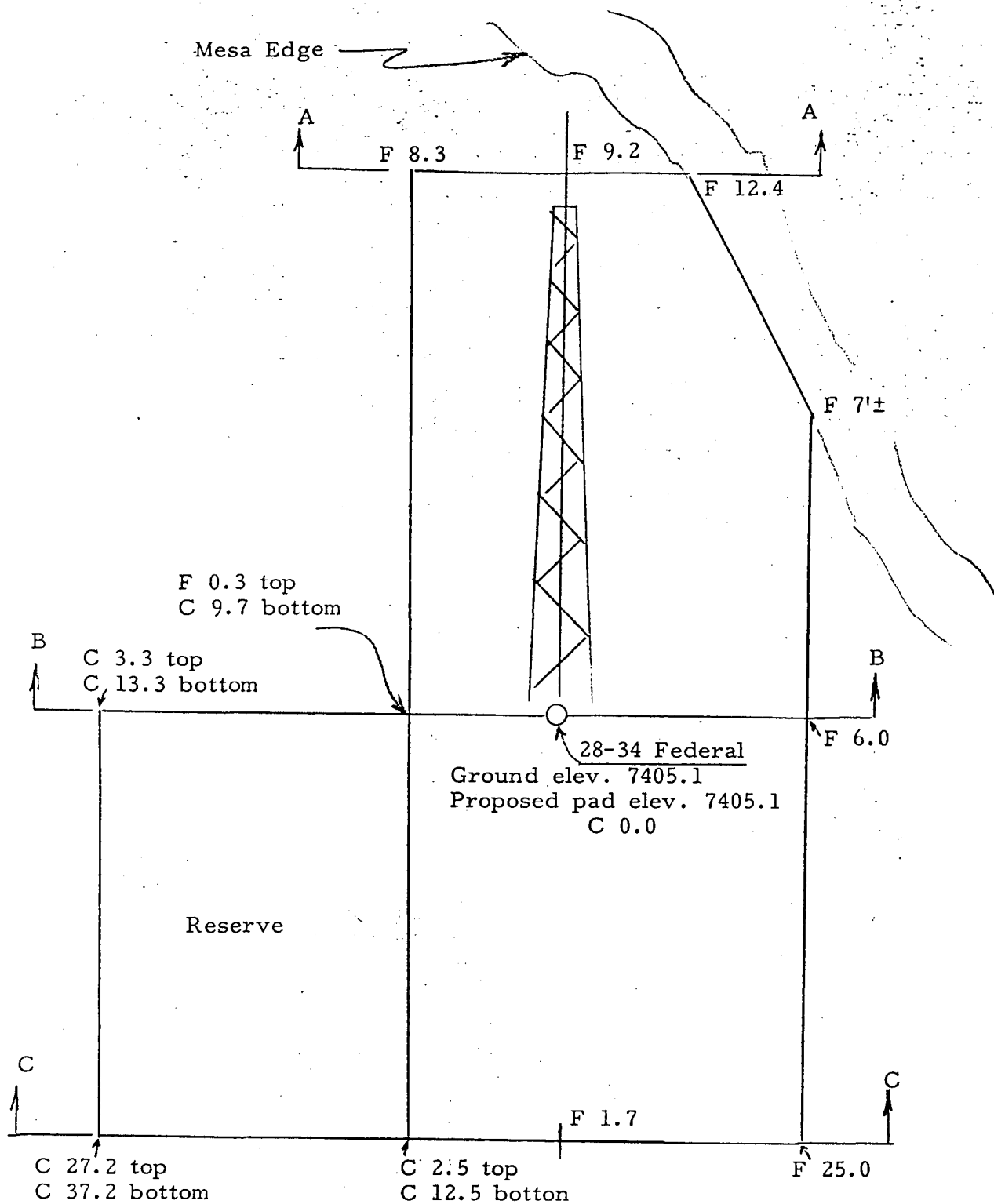
Drill Hole

Drill Hole

Drill Hole

Corral





Scale: 1" = 50'



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All lease operations will be conducted in full compliance with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas Order #1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. The operator will furnish a copy of these conditions to his field representative to ensure compliance.

8 Point Drilling Program

Directional drilling was considered as an option for this well. After evaluation, directional drilling was discarded because it would more than double the drilling costs. Completion and production costs would also be increased. Given the small area (≈ 0.4 acre) of the drilling target, no alternate sites were feasible.

1. The estimated tops of important geologic markers are:

<u>Formation Name</u>	<u>Depth</u>	<u>Above Sea Level</u>
Wasatch	0000'	+7405'
Mancos "B"	4340'	+3065'
Dakota Siltstone	4890'	+2515'
Dakota	5007'	+2398'
Cedar Mountain	5158'	+2247'
Morrison	5213'	+2192'
Entrada	5650'	+1755'

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2. The estimated depths at which water, oil, gas, or other mineral bearing zones are expected to be encountered are:

<u>Formation Name</u>	<u>Type of Zone</u>	<u>Top & Bottom Depths</u>
Mancos "B"	Oil/Gas	4340'-4360'
Dakota	Oil/Gas	5007'-5100'
Cedar Mountain	Oil	5158'-5213'
Morrison	Oil	5213'-5650'
Entrada	Oil/Water	5650'-5800' (TD)

Surface and production casing will be set. Well will be drilled with air mist. All fresh water encountered during drilling will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

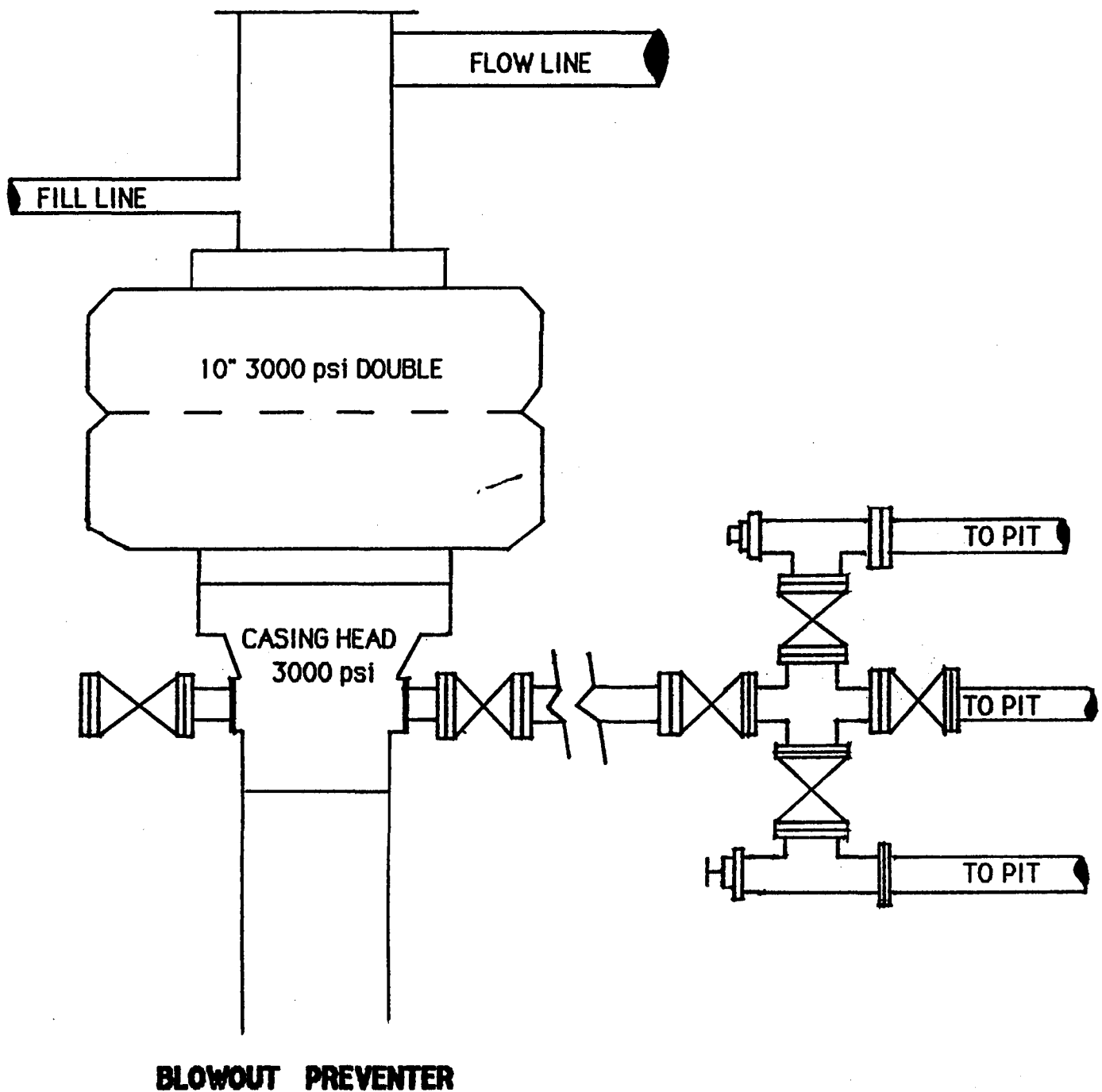
3. BOP systems will be consistent with API RP 53. A schematic diagram of the 10" 3000 psi BOP is on Page 3.

Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. BOP controls will be installed before drilling the surface casing plug, and will stay in use until the well is completed or abandoned. Preventers will be pressure tested before drilling casing cement plugs.

BOPs will be inspected, operated at least daily to ensure good mechanical working order, and the inspection recorded on the daily drilling report.

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4. The proposed casing program is:

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	<u>Age</u>	<u>Setting Depth</u>
12-1/4"	8-5/8"	17*	K-55	ST&C	New	0'- 600'
7-7/8"	5-1/2"	15.5*	K-55	ST&C	New	0'-5800'

The proposed cementing program is:

<u>Type of Casing</u>	<u>Cement & Additives</u>	<u>Top</u>
Surface	430 sx Class G + 2%CaCl + 1/4 lb/sx Floseal	Surface
Production	Lead: 200 sx light + 1/4 lb/sx Floseal	*
Production	Tail: 100 sx Class G + 1/4 lb/sx Floseal	*
*Fill TD to 4800' (2000' of fill)		

5. The entire well will be drilled with an air mist. The blooie line will be misted to control dust. If mud is used, a mud logging unit will be installed. Pallets of gel, LCM, and lime will be on hand to control unexpected water flow.

6. No cores will be taken. The following logs will be run:

Ground Level to Total Depth: GR

Surface Casing to Total Depth: DIL - GR - CAL

4000' to Total Depth: FDC - CNL - GR - SP

If mud is used, then a drill stem test will be run in the Cedar Mountain, Morrison, and Entrada.

Whether the well is completed as a dry hole or producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later

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than 30 days after completion of the well, or after completion of operations being performed, *per* 43 CFR 3164. Two copies of all logs, core descriptions & analyses, well test data, geologic summaries, sample descriptions, and all other data obtained during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. (If requested, sample cuttings, fluids, and/or gases will be submitted to the District Manager.)

7. The expected bottom hole pressure is 2697 psi.
No abnormal pressures, temperatures, or hydrogen sulfide are expected.
8. The anticipated spud date is August 15, 1985. It is expected it will take 8 days to drill the well and 7 days to complete the well.

Nicor will begin dirt work upon approval.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before operations resume.

The spud date will be phoned to the Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5), reporting the spud date and time, will be sent to the District Manager within 24 hours after spudding. If the spud is on a weekend or holiday, the Sundry will be sent on the following regular work day.

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Starting with the month in which operations begin, and continuing each month until the well is physically plugged and abandoned, a "Monthly Report of Operations" (Form 3160-6) will be sent to the District Manager.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual events will be promptly reported to the Resource Area *per* NTL-3A.

If a replacement rig is planned for completion, a Sundry Notice to that effect will be filed for prior approval of the District Manager. All conditions of this approved plan apply to all operations of the replacement rig. In emergencies, verbal approval can be given by the District Manager.

If the well is successfully completed for production, then the District Manager will be notified. Written notification will be sent not later than 5 business days following the date on which the well is placed on production. The Area Manager will schedule a first production conference within 15 days after receipt of the first production notice.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Manager. This preliminary approval will not exceed 30 days or 50 MMcf of gas. Approval to vent/flare beyond this initial period will require the District Manager's approval *per* NTL-4A.

No well abandonment operations will begin without the prior approval of the District Manager. Oral approval will be obtained from the District Manager for newly drilled dry holes, failures, or emergencies. A Sundry Notice will be sent to the District Manager within 30 days following completion of the well for abandonment. The Sundry will note where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the reclamation required by the approved APD or abandonment notice has been completed to the satisfaction of BLM.

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Once plugged, a capped regulation dry hole marker will be erected. The following information will be beaded on with a welding torch: Nicor Exploration Co., Nicor Federal 28-34, SWSE 28-19-21, U-0149776.

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13 Point Surface Use Plan

1. EXISTING ROADS (Pages 16 & 17)

From the West Cisco Exit on I-70 go 1.5 miles SE on U-128.
Then go 14.5 miles NW on the Nash Wash Road to the Cunningham Ranch.
Then go 2.0 miles N and NW to Bull Canyon.
Then go 0.8 miles N to Right Hand Fork.
Then go 2.3 miles NE to a fork in the road.
New construction will begin at the fork in the road.

The first 18.0 miles are county roads and will not need upgrading. The roads will be maintained to a standard equal to their present condition. An Encroachment Permit has been approved by the Grand County Road Dept.

The final 3.1 miles of existing road will require a BLM right-of-way. This road will not need upgrading, but will be maintained by a grader to remove rocks which have rolled onto the road.

2. PLANNED ACCESS ROADS (Page 17)

The first 3.0 miles of new construction will be off-lease road authorized by a right-of-way. The final half mile of new construction will be on-lease road authorized by the APD. All of the road has been flagged. All of the drainage crossings will be low water crossings. None of the roads will be surfaced, nor will any culverts be installed.

From the point at which new construction will begin, a road 3.5 miles in length will lead to the well. A 20' wide flatbladed road (maximum disturbed width of 30') will follow the canyon bottom for the first 2.0 miles. Average grade is 6% and maximum is 8%. Turnouts will be placed 1,000' apart in the

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last half mile.

(While a canyon bottom road is not ideal, it is a "practicable alternative" as referenced in Section 2(a)(2) of Executive Order 11988. Building two miles of bench cut road would unnecessarily and unduly increase the total environmental impact, further impair the wilderness suitability of the canyon, and add considerable difficulty to reclamation.)

The next 1.0 miles of 20' wide road (maximum disturbed width of 60') will require a full bench cut. Average grade is 10%, maximum grade will be 15%. Turnouts will be located every 1,000'. Road surface will be insloped 2-4% and drainage dips placed every 160'.

The final half mile of 20' wide road (maximum disturbed width of 30') will be flatbladed to minimize wilderness impairing impacts. Average grade will be 6%, maximum will be 8%. No turnouts will be used.

The road will be reclaimed or upgraded to Class III Standards within 60 days of dismantling the drill rig. If this deadline cannot be met, Nicor will notify the Area Manager so temporary drainage control can be installed.

Surface disturbance and vehicle travel will be limited to the approved location and road. Any extra area needed will be approved in advance by the Area Manager.

3. EXISTING WELLS

There are no water, injection, producing, or drilling wells within a 1 mile radius of the location. There is one shut-in gas well 5,071' SSW operated by J.C. Thompson at 1338 FSL and 2233 FEL Sec. 33, T.19 S., R. 21 E.

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4. PROPOSED PRODUCTION FACILITIES

The type and layout of the production facilities are not known now. A Sundry Notice will be submitted for approval before they are installed.

All permanent (onsite for at least 6 months) structures, including pump jacks, will be painted a flat, nonreflective Juniper Green color within 6 months of installation. OSHA parts may be excluded.

If a tank battery is built, it will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the battery. All loading lines will be placed inside the dike.

All site security guidelines in 43 CFR 3162.7 will be obeyed. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, must have the prior written approval of the District Manager.

Gas meter runs for each well will be within 500' of the wellhead. The gas flowline will be buried from the wellhead to the meter, along with any other sections on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well pad. Meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted monthly for the first 3 months on new meters, and at least quarterly thereafter. The Area Manager will be provided with a date and time for the first meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be sent to the Area Manager. All meters will conform with the API standards for liquid hydrocarbons and AGA standards for natural gas measurement.

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5. WATER SUPPLY (Page 17)

Any water needed will be pumped directly from Nash Wash (SESW 8-20-21) into a truck and hauled to the well. No construction will be done. This is casual use as defined in 43 CFR 2800.0-5(m) and BLM Manual 2801 A.2.b., c., & d. A temporary permit to appropriate water has been filed with the State. Nicor will not use any water without Bill Cunningham's permission.

6. CONSTRUCTION MATERIALS

All construction materials are native *in situ* soils on lease. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

7. WASTE DISPOSAL

The reserve pit will not be lined unless fractured rock is encountered. At BLM's request during the on-site, the reserve pit (Page 18) will be reduced in size and shifted south to avoid a large cut on the north. It will be fenced on 3 sides with 3 strands of barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit is drying.

All trash will be placed in a portable trash cage. When full, it will be hauled to an approved landfill.

Human waste will be disposed of in 20' deep ratholes or chemical toilets. The ratholes will be immediately filled when the trailers are removed.

Produced water will be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period an NTL-2B

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application will be submitted for the District Manager's approval of a permanent disposal method and site.

8. ANCILLARY FACILITIES

There will be no ancillary facilities.

9. WELL SITE LAYOUT

See Page 18 and afterwards for depictions of the well pad, cross sections, cut and fill diagrams, reserve pit, access road onto the pad, parking, living facilities, soil stockpile, and rig orientation.

The trees and top 8" of topsoil will be removed from the location and stockpiled separately on the east side of the location.

10. RECLAMATION

Immediately upon completing drilling, the pad and surrounding area will be cleared of all remaining debris, materials, trash, and junk not required for production.

Nicor will contact the Area Manager 48 hours before starting reclamation dirt work, and upon completion of reclamation. (In the event of production, the pit and that part of the pad not needed for production will be reclaimed as follows.)

All disturbed areas will be recontoured to the approximate natural contours. Stockpiled topsoil will be evenly distributed over disturbed areas. Prior to seeding, all disturbed areas, including roads, will be scarified and left with

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a rough surface.

Seed will be broadcast at a time specified by BLM. A harrow or similar implement will be dragged over the seeded area to assure seed cover. The following seed will be sown:

<u>Species</u>	<u>lbs/ac</u>
Bluebunch wheatgrass	2
Indian ricegrass	2
Crested wheatgrass	2
Yellow sweetclover	1
Alfalfa	1
Antelope bitterbrush	2
Fourwing saltbush	2
Mexican cliffrose	2

11. OWNERSHIP

The surface and mineral owner is the U.S. Government.

12. OTHER INFORMATION

There will be no change from the proposed drilling and/or workover plan without prior approval from the District Manager. A Sundry Notice will be filed for approval for all changes of plans and other operations *per* CFR 43 3164.

Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified *per* 43 CFR 3162.2.

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If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the Area Manager will be called.

This permit will be valid for one year from the date of approval. After the permit expires, a new application will be filed for approval of any future operations.

The District Manager's mailing address is P.O. Box 970, Moab, Utah 84532. His phone number is 801-259-6111.

The Area Manager's mailing address is P.O. Box M, Moab, Utah 84532. His phone number is 801-259-8193.

From the well, the nearest hospitals are 75 miles east in Fruita, Colorado or 80 miles south in Moab, Utah. Nearest gas stations, public phone, food, etc. are 41 miles southwest in Thompson, Utah.

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13. REPRESENTATION AND CERTIFICATION

For questions concerning the APD, please contact:

Brian Wood
Permits West, Inc.
P.O. Box 1105
Monticello, Utah 84535
801-587-2087

Nicor Exploration's field representative is:

John Freshwater, Manager - Operations
Nicor Exploration Co.
1667 Cole Blvd.
Golden, Co. 80401
303-232-9292

CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Nicor Exploration Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date May 23, 1985

Name Brian Wood

Brian Wood - Consultant for Nicor Exploration Co.

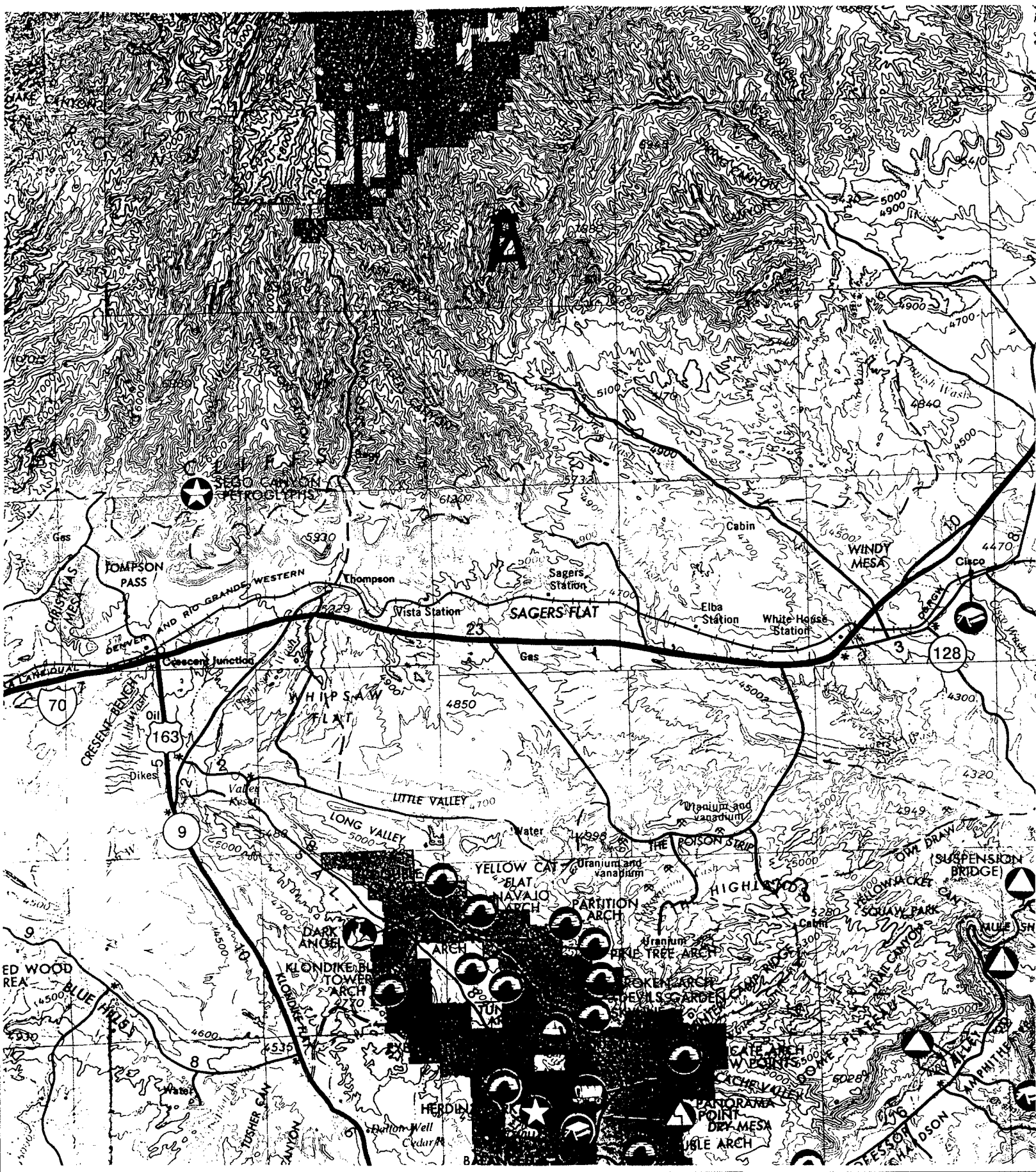
PERMITS WEST
PROVIDING PERMITS for the ENERGY INDUSTRY

Nicor Federal 2804

1072' FSL & 1471'FEL

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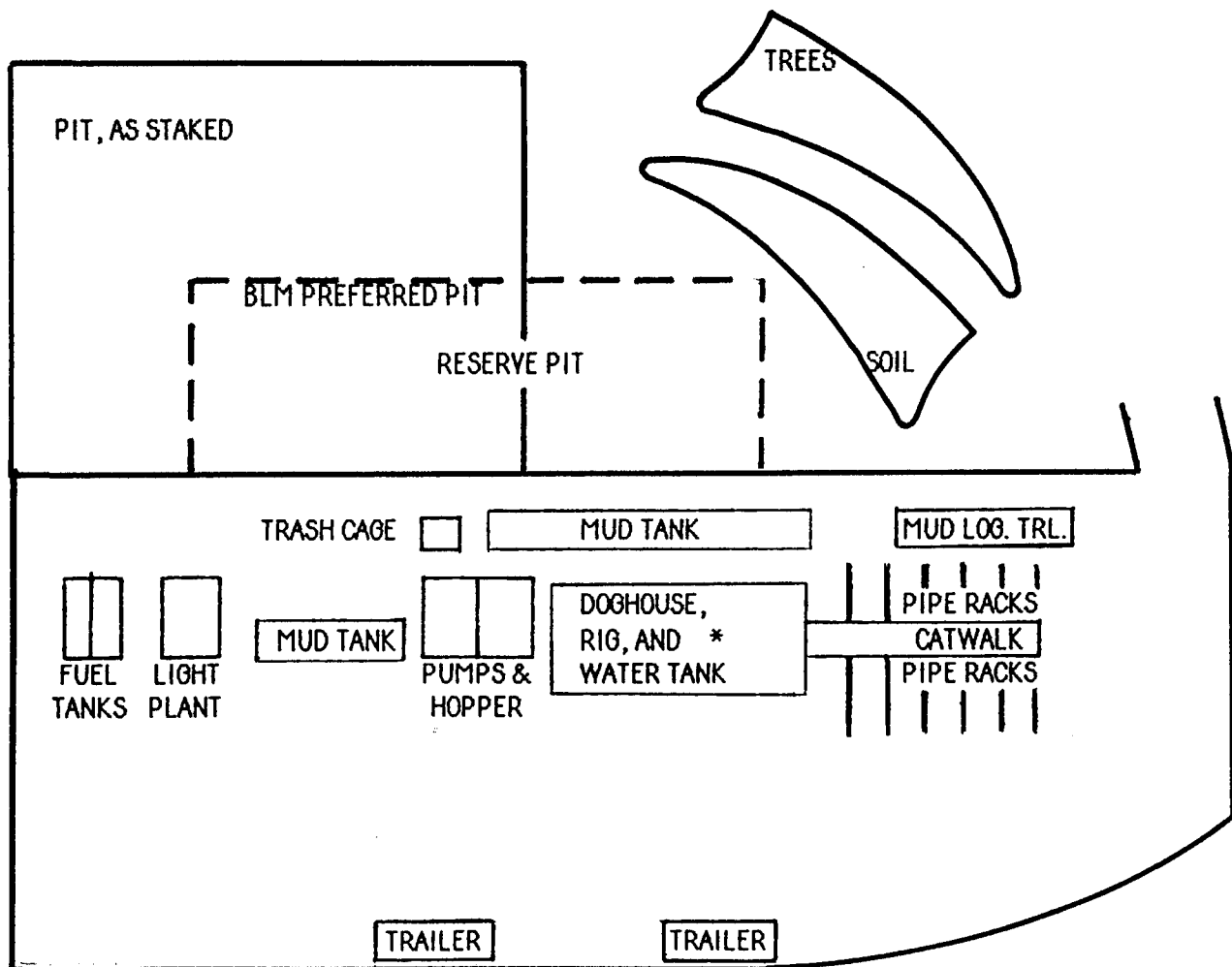
Grand County, Utah



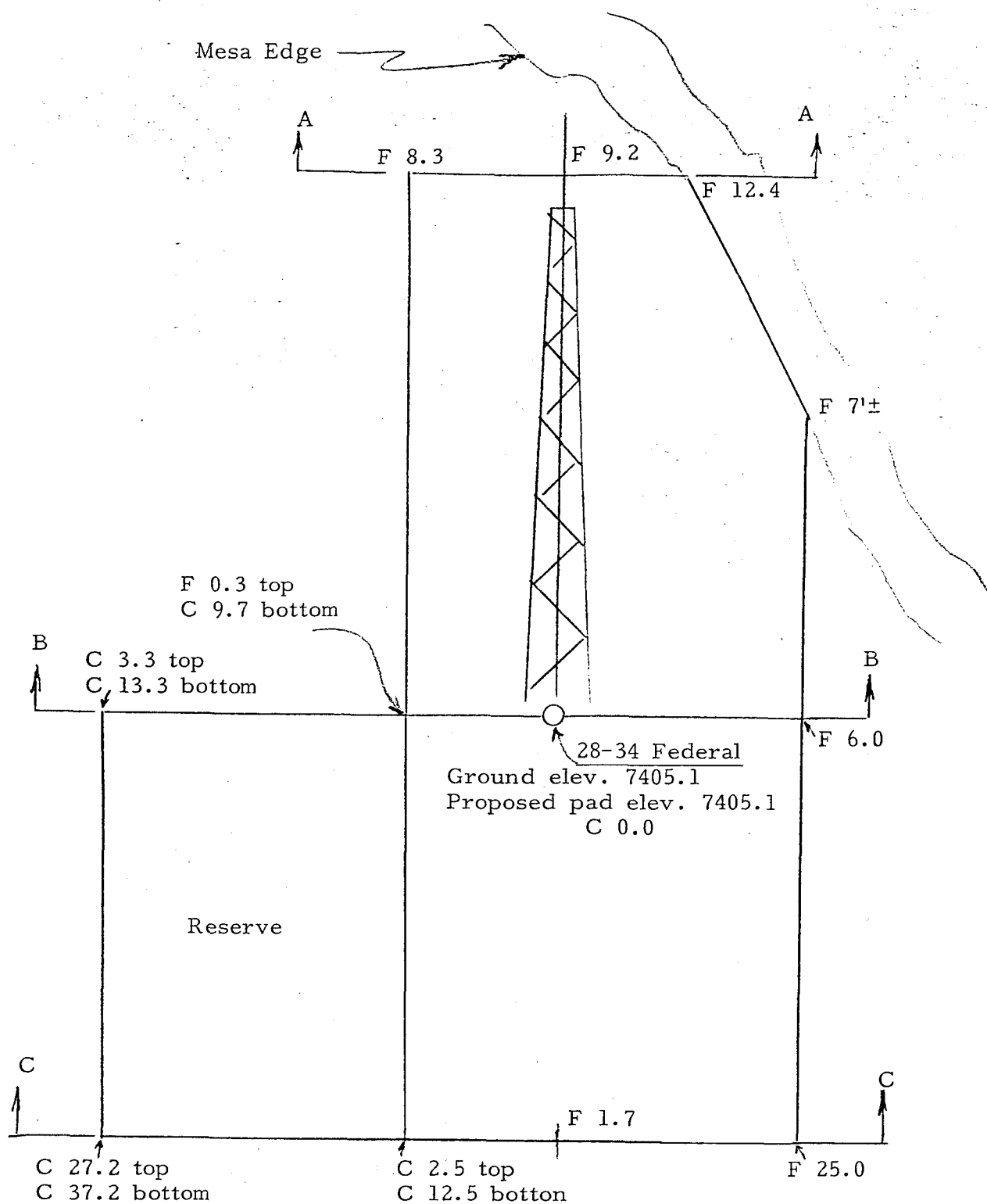
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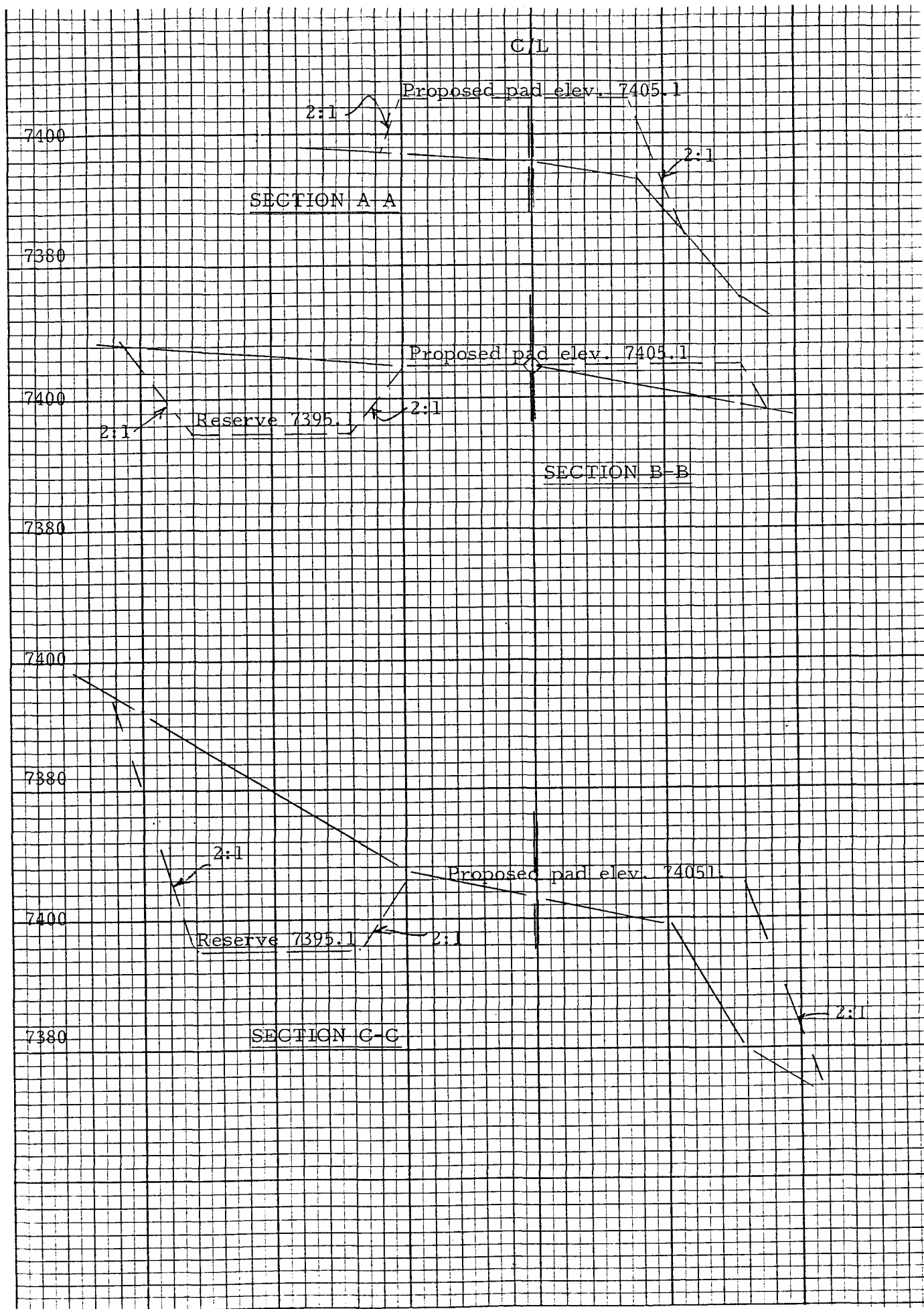
NORTH
←



Scale: 1" = 50'

THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496



Horizontal scale: 1" = 50'
Vertical scale: 1" = 20'

THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: BUREAU OF LAND MANAGEMENT - Moab, Utah
SERIAL NO.: U-0149776

and hereby designates

NAME: NICOR Exploration Company
ADDRESS: 1667 Cole Blvd.
Golden, Colorado 80401

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Township 19 South, Range 21 East

Section 28: All

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

HARPER OIL COMPANY

By: Charles E. Mertz
(Signature of lessee)
Charles E. Mertz
Attorney-in-fact

May 22, 1985
(Date)

P. O. Box 5928 T.A., Denver, CO 80217
(Address)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and thereto does not require OMB approval.



NICOR EXPLORATION

One of the NICOR
basic energy companies

1667 Cole Boulevard Golden, Colorado 80401 Phone 303 232 9292

May 17, 1985

To Whom it May Concern:

NICOR Exploration authorizes Brian Wood of Permits West, Inc. to represent us as our agent for the NICOR 28-34 Federal Well. This includes conducting the on-site, preparing the APD, signing the APD and right-of-way, and any related matters.

Sincerely,

K. C. Wardwell
Exploration Manager

KCW/mw

OPERATOR Nico Exploration Co. DATE 5-30-85
WELL NAME Subal 28-34
SEC SWSE 28 T 19S R 21E COUNTY Grand

43-019-31188
API NUMBER

Sub.
TYPE OF LEASE

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST WELL

☒ LEASE

☒ FIELD

☒ POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other wells within 4960'

Need water permit

Exception location

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT

☐ C-3-a _____ CAUSE NO. & DATE

☐ C-3-b

☒ C-3-c

STIPULATIONS:

1- water

2- Exception location



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 3, 1985

Nicor Exploration Company
1667 Cole Blvd.
Golden, Colorado 80401

Gentlemen:

Re: Well No. Federal 28-34 - SW SE Sec. 28, T. 19S, R. 21E
1072' FSL, 1471' FEL - Grand County, Utah

Approval to drill the above referenced gas well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.
2. Submittal to the Division of information justifying the necessity for an exception location and verification of ownership within a radius of 500 feet of the proposed location.

In addition, the following actions are necessary to fully comply with this approval:

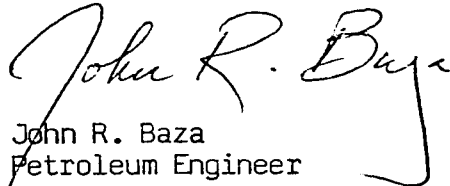
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2
Nicor Exploration Company
Well No. Federal 28-34
June 3, 1985

4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31188.

Sincerely,



John R. Baza
Petroleum Engineer

as
Enclosures
cc: Branch of Fluid Minerals

June 3, 1985

Arlene Sollis
Utah Div. of Oil, Gas, & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

JUN 05 1985

DIVISION OF OIL
GAS & MINING

Dear Arlene,

As requested, I am asking that NICOR Exploration Co. be granted an exception for the NICOR Federal 28-34 Well (Sec. 28, T. 19 S., R. 21 E.) *per* Rule C-3(c):

1) As stated on PAGE 1 of the APD, the geologic target is of a size and in a location so as to prevent an orthodox location.

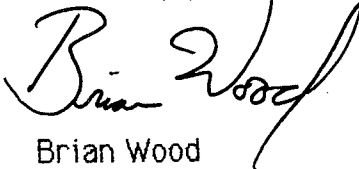
2) As seen on PAGE 17 and the surveyor's plats of the APD, topography prevents an orthodox location. An orthodox location in the SWSE would be on slopes in excess of 45 degrees.

3) The ownership of all oil and gas leases within a radius of 660 feet of the proposed well is common with the ownership of the oil and gas lease under the proposed well.

NICOR Exploration will submit an approved permit to appropriate water before spudding the well.

Please feel free to call me if you have any other questions.

Sincerely yours,


Brian Wood

cc: John Freshwater



United States Department of the Interior 3162 (U-065)

BUREAU OF LAND MANAGEMENT

Moab District
P. O. Box 970
Moab, Utah 84532

SEP 30 1986

RECEIVED
OCT 01 1986

**DIVISION OF
OIL, GAS & MINING**

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. John Baza

Re: Requests of Status of Wells

Dear Mr. Baza:

We are replying to your requests for status on the following wells:

- 1) F-L Energy Corporation
Well No. Alker Federal 1-11
Sec. 11, T. 15 S., R. 12 E.
Well No. Alker Federal 1-15
Sec. 15, T. 15 S., R. 12 E.
Lease U-52626

Approval was given for the extension of application on Well No. 1-11 until 10/18/86, so Wells 1-11 and 1-15 could be drilled at the same time. No activity at this time.

- 2) Howell Oil Company
Well No. Gebauer-Risenhoover 24
Sec. 7, T. 42 S., R. 19 E.
Lease U-7303

We are in the process of rescinding this application.

- 3) Nicor Exploration Company
Well No. Federal 28-34
Sec. 28, T. 19 S., R. 21 E.
Lease U-0149776

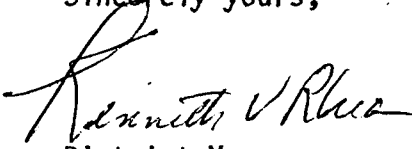
Application was returned unapproved. Lease terminated two days after the receipt of the application.

- 4) TXO Production Company
Well No. ARCO Federal "B" 2
Sec. 6, T. 16 S., R. 25 E.
Lease U-9831

The pad was built, but the well was never drilled. TXO has intentions to drill this well at some point in the future (under a new APD) and has asked for approval to leave the well pad as is. This approval will be granted on a yearly basis. Approval was granted September 1, 1986.

If you have any questions, please contact the Branch of Fluid Minerals (801) 259-6111.

Sincerely yours,


ACTING District Manager

MOAB DISTRICT OFFICE

F-L ENERGY CORPORATION

Alker Federal Well No. 1-11
Sec.11, T.15S, R.12E,
Carbon County, Utah
API NO. 43-007-30094

Alker Federal Well No. 1-15
Sec.15, T.15S, R.12E,
Carbon County, Utah
API NO. 43-007-30113

HOWELL OIL COMPANY

Gebauer Risenhoover Well No. 24
Sec.7, T.42S, R.19E
San Juan County, Utah
API No. 43-037-31155

NICOR EXPLORATION COMPANY

Federal Well No. 28-34
Sec.28, T.19S, R.21E,
Grand County, Utah
API NO. 43-019-31188

TXO PRODUCTION COMPANY

ARCO Federal "B" Well No. 2
Sec.6, T.16S, R.25E
Grand County, Utah
API No. 43-019-31146



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

101505

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 6, 1986

Nicor Exploration Company
1667 Cole Blvd.
Golden, Colorado 80401

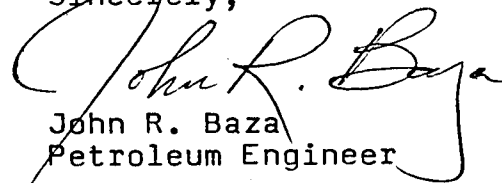
Gentlemen:

RE: Well No. Federal 28-34, Sec.28, T.19S, R.21E,
Grand County, Utah, API NO. 43-019-31188

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,


John R. Baza
Petroleum Engineer

sb
cc: BLM-Moab
D. R. Nielson
R. J. Firth
✓ Well file
0327T-7

RECEIVED

JUN 17 1985

WATER RIGHTS
PRICE

To Whom it May Concern:

I hereby agree to sell water from Nash Wash to NICOR Exploration Co., or any of its contractors, for use with the NICOR Federal 28-34 Well (1072' FSL & 1471' FEL Sec. 28, T. 19 S., R. 21 E., Grand County, Utah). The amount of water sold will not exceed 2.0 acre-feet.

I also agree to this temporary change in the use of my water rights.

Bill Cunningham
Bill Cunningham

6/12/85
Date



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

453 South Carbon Avenue • P.O. Box 718 • Price, UT 84501 • 801-637-1303

June 24, 1985

Permits West, Inc.
Attn: Brian Wood
P.O. Box 1105
Monticello, Utah 84535

Re: Temporary Change 85-01-8

Dear Mr. Wood:

The above referenced Temporary Change Application has been approved.
A copy is herewith enclosed for your records and information.

If you have any questions, please feel free to contact me.

Sincerely,

Mark P. Page
Area Engineer
for Robert L. Morgan, P.E.
State Engineer

Enclosure

RLM/MPP/mjk

RECEIVED

JUN 17 1985

WATER RIGHTS
PRICE

Well 28-34 Federal is located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$
of Section 28, T.19S., R.21E., S.L.M.,
Grand County, Utah

SECTION 28,

T.19S., R.21E., S.L.M.,
Grand County, Utah

Nicor 28-34 Federal

1471.2'

1072.3'

Scale:
1" = 1000'

Soil: Rocky Mesa Top.
Vegetation: Pinon-juniper
cover.

1932
USGLO
brass caps
W $\frac{1}{4}$ Cor. Sec. 34

Ref. point elev. 7401.4

Rim of
Mesa

Reserve
pits

Well 28-34 Federal
Elev. 7405.1

Laydown: S.12°32'E.

3 miles of new road
construction required
for access

S.11°53'E. - 206.4'

Ref. point elev. 7395.69'

Scale: 1" = 100'

Elevation referenced to
USGS map elevation as
shown in the NE $\frac{1}{4}$ of
Section 28 on the
Sego Canyon, Utah,
quad map.

I DO HEREBY CERTIFY BY THESE PRESENTS:
THAT I, FREDRIC P. THOMAS
hereby certify that I prepared this plat from an
actual and accurate survey of the land and that the
same is true and correct to the best of my knowledge
and belief.

Fredric P Thomas

FREDRIC P THOMAS
Reg. L.S. and P.E.
Colo. Reg. No. 6728
Utah Reg. No. 4346
Bearing by
Sole
observation



THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

031103

APPLICATION NO. 85-01-8
DISTRIBUTION SYSTEM

Application For Temporary Change of Point of Diversion,

RECEIVED

Place or Purpose of Use

RECEIVED

STATE OF UTAH

JUN 26 1985

(To Be Filed in Duplicate)

JUN 24 1985

DIVISION OF OIL
GAS & MININGMonticello, Utah
PlaceJune 18, 1985
DateWATER RIGHTS
PRICEFor the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use
(Strike out written matter not needed)of water, the right to the use of which was acquired by 01-7 (A-498) Cert. No. 843
(Give No. of application, title and date of Decree and Award No.)
to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

- The owner of right or application is William W. Cunningham et al
- The name of the person making this application is Permits West, Inc. Attn: Brian Wood
- The post office address of the applicant is P.O. Box 1105 Monticello, Utah 84535

PAST USE OF WATER

- The flow of water which has been used in second feet is 1.00
- The quantity of water which has been used in acre feet is
- The water has been used each year from April 1 to November 1 incl.
(Month) (Day) (Month) (Day)
- The water has been stored each year from to incl.
(Month) (Day) (Month) (Day)
- The direct source of supply is Nash Wash in Grand County.
- The water has been diverted into earthen ditches ditch canal at a point located
1) N. 410 ft. & W. 1750 ft. from E $\frac{1}{4}$ Cor. Sec. 16;
2) S. 250 ft. & W. 2200 ft. from NE Cor. Sec. 17, Both T20S, R21E, SLB&M.
- The water involved has been used for the following purpose: Irrigation

Total 46.2 acres.

NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purposes, give place and purpose of use.

THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

- The flow of water to be changed in cubic feet per second is
- The quantity of water to be changed in acre-feet is 2.0
- The water will be diverted into the tank trucks ditch canal at a point located
N. 410 ft. & W. 1750 ft. from E $\frac{1}{4}$ Cor. Sec. 16, T20S, R21E, SLB&M.
- The change will be made from August 1, 1985, to December 31, 1985.
(Period must not exceed one year)
- The reasons for the change are Change in the nature of use.
- The water involved herein has heretofore been temporarily changed 1 years prior to this application.
(List years change has been made)
- The water involved is to be used for the following purpose: Drilling and maintenance purposes for the
Nicor Federal 28-34 well located at the following point: N. 1072 ft. & W. 1471 ft.
from the SE Cor. Sec. 28, T19S, R21E, SLB&M. Total _____ acres.

NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

EXPLANATORY

Permits West Inc. is filing the Temporary Change Application in behalf of
Nicor Exploration Co.

A filing fee in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer

Brian Wood
Signature of Applicant

RULES AND REGULATIONS

(Read Carefully)

This application blank is to be used only for temporary change of point of diversion, place or nature of use for a definitely fixed period not to exceed one year. If a permanent change is desired, request proper application blanks from the State Engineer.

Application for temporary change must be filed in duplicate, accompanied by a filing fee of \$7.50. Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:

State Engineer
State Capitol Building
Salt Lake City, Utah

STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

Change Application No.

(River System)

1. NA Application received by Water Commissioner
(Name of Commissioner)
- Recommendation of Commissioner
2. June 24, 1985 Application received over counter in State Engineer's Office by [Signature]
by mail
3. Fee for filing application, \$7.50 received by ; Rec. No.
4. Application returned, with letter, to for correction.
5. Corrected application resubmitted over counter to State Engineer's Office.
by mail
6. Fee for investigation requested \$
7. Fee for investigation \$, received by : Rec. No.
8. Investigation made by ; Recommendations:
9. Fee for giving notice requested \$
10. Fee for giving notice \$, received by : Rec. No.
11. Application approved for advertising by publication by
mail
12. Notice published in
13. Notice of pending change application mailed to interested parties by as follows:
14. Change application protested by
(Date Received and Name)
15. Hearing set for , at
16. 6-24-85 Application recommended for rejection by [Signature]
approval
17. Change Application rejected and returned to F. B. Smith, West, Inc.
approved

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1.
2.
3.

[Signature]
for State Engineer



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Noir

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

453 South Carbon Avenue • P.O. Box 718 • Price, UT 84501 • 801-637-1303

June 24, 1985

RECEIVED

JUN 26 1985

DIVISION OF OIL
GAS & MINING

Division of Oil, Gas & Mining
Attn: Arlene Sollis
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Temporary Change 85-01-8

Dear Arlene:

Enclosed is a copy of the above referenced Temporary Change Application.
Please keep this copy for your records and information.

Please contact us if you have any questions.

Sincerely,

Mark P. Page

Mark P. Page
Area Engineer

Enclosure

MPP/mjk

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____DATE FILED 5-24-85

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. U-0149776

INDIAN

DRILLING APPROVED: 6-3-85 - GAS (EXCEPTION LOCATION)

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

FIELD:

UNIT:

COUNTY:

GRAND

WELL NO.

FEDERAL 28-34

LOCATION

1072' ESL FT. FROM (N) (S) LINE. 1471' FEL

FT. FROM (E) (W) LINE.

API #43-019-31188SW SE

1/4 - 1/4 SEC.

28

TWP.

RGE

SEC.

OPERATOR

TWP.

RGE

SEC.

OPERATOR

19S21E28NICOR EXPLORATION CO.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(Other instructions on
reverse side)

5. Lease Designation and Serial No.

U-0149776

6. If Indian, Allottee or Tribe Name

N/A

7. Unit Agreement Name

N/A

8. Farm or Lease Name

Nicor

9. Well No.

Federal 28-34

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk.
and Survey or Area

28-19S-21E SLBM

12. County or Parrish 13. State

Grand Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. Type of Well

Oil Well ☐

Gas Well ☒

Other

Single Zone ☐

Multiple Zone ☒

2. Name of Operator

Nicor Exploration Co.

(303)-232-9292

3. Address of Operator

1667 Cole Blvd., Golden, Co. 80401

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

1072' FSL & 1471' FEL

At proposed prod. zone

Same

UNDESIGNATED

14. Distance in miles and direction from nearest town or post office*

12 air miles NE of Thompson, Utah

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drlg. line, if any)

1072'

16. No. of acres in lease

640

17. No. of acres assigned
to this well

640

18. Distance from proposed location*
to nearest well, drilling, completed,
or applied for, on this lease, ft.

N/A

19. Proposed depth

5800'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

7405' grd.

22. Approx. date work will start*

Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/4"	8 5/8"	17*	0-600'	
7 7/8"	5 1/2"	15.5*	0-5800'	

1. Request APD not be approved until 30 days after the date that the accompanying right-of-way has been granted.

2. Drilling program is on following pages.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE 6/3/85

BY: John R. Baya

WELL SPACING: C-3 (c)

RECEIVED

MAY 24 1985

DIVISION OF OIL
GAS & MINING

RECEIVED

MAY 24 1985

DIVISION OF OIL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

Title Consultant/Agent for Nicor

Date

5-23-85

(This space for Federal or State office use)

Permit No.

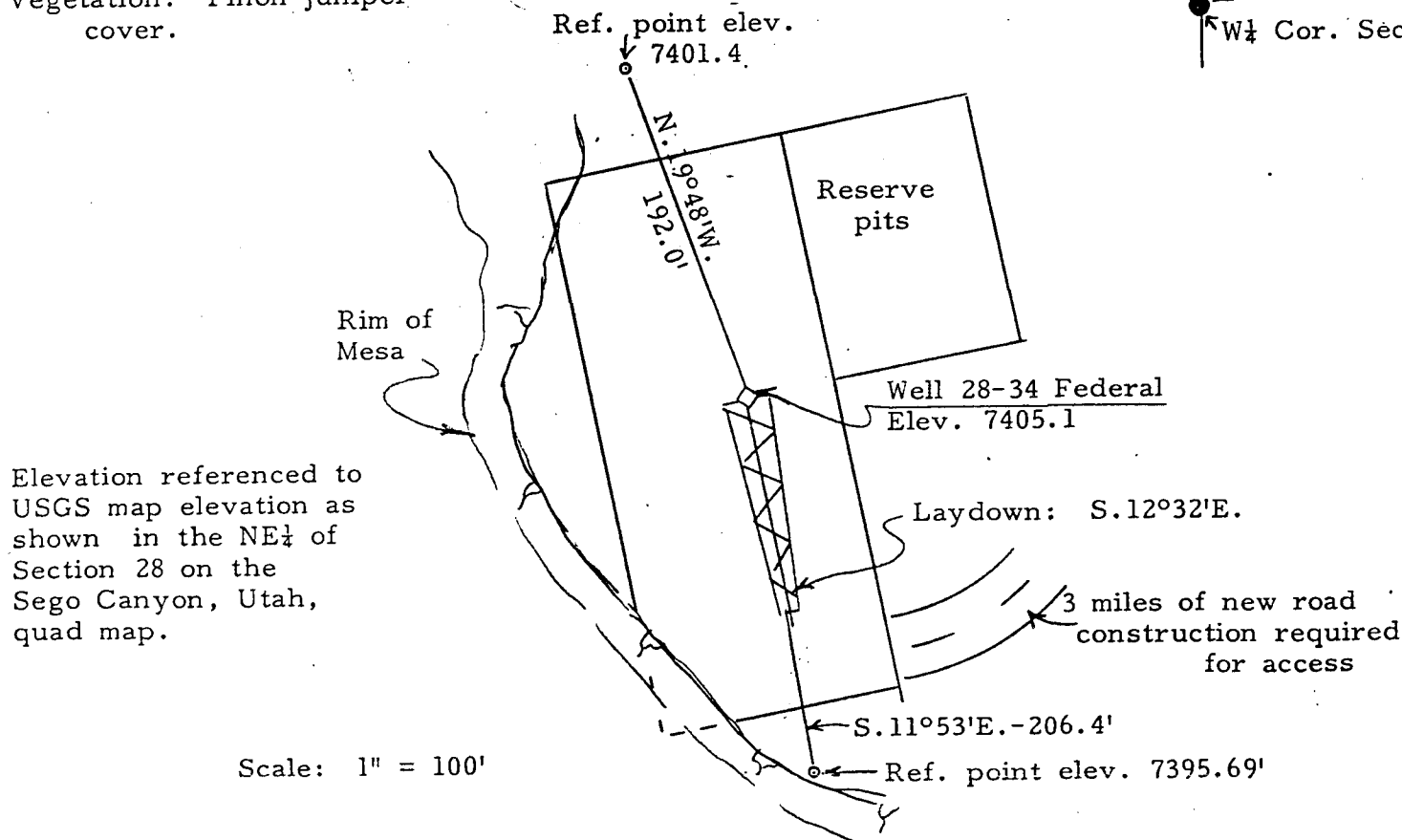
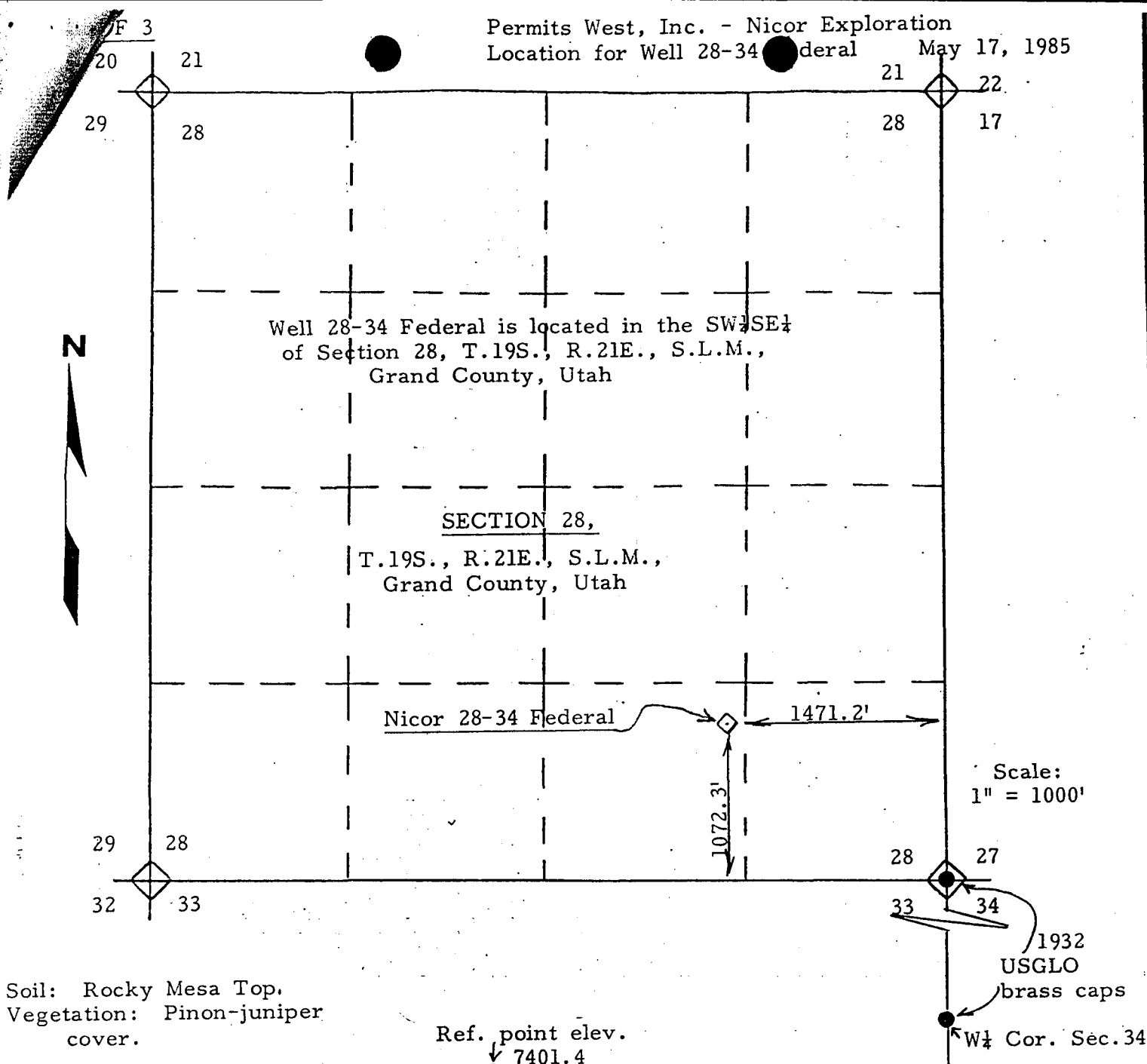
Approval Date

Approved by

Title

Date

Conditions of approval, if any:



NOW ALL MEN BY THESE PRESENTS:
THAT I, FREDRIC P. THOMAS
do hereby certify that I prepared this plot from an
actual and accurate survey of the land and that the
same is true and correct to the best of my knowledge
and belief.

Fredric P Thomas

FREDRIC P THOMAS
Reg. L.S. and P.E.
Colo. Reg. No. 6728

Utah Reg. No. 4346

Bearing by
Solar
observation



THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

Nicor Exploration Co
Nicor Federal Land Bank
1072 FBL & 1471 FBL
Sec 28, T19S, R7E
Grand County, Utah

PAGE 7

NEW CONSTRUCTION

BUILDINGNESS STUDY AREA BOUNDARY

WATER SOURCE

EXISTING ROAD

Cunningham Ranch

Spruce mine

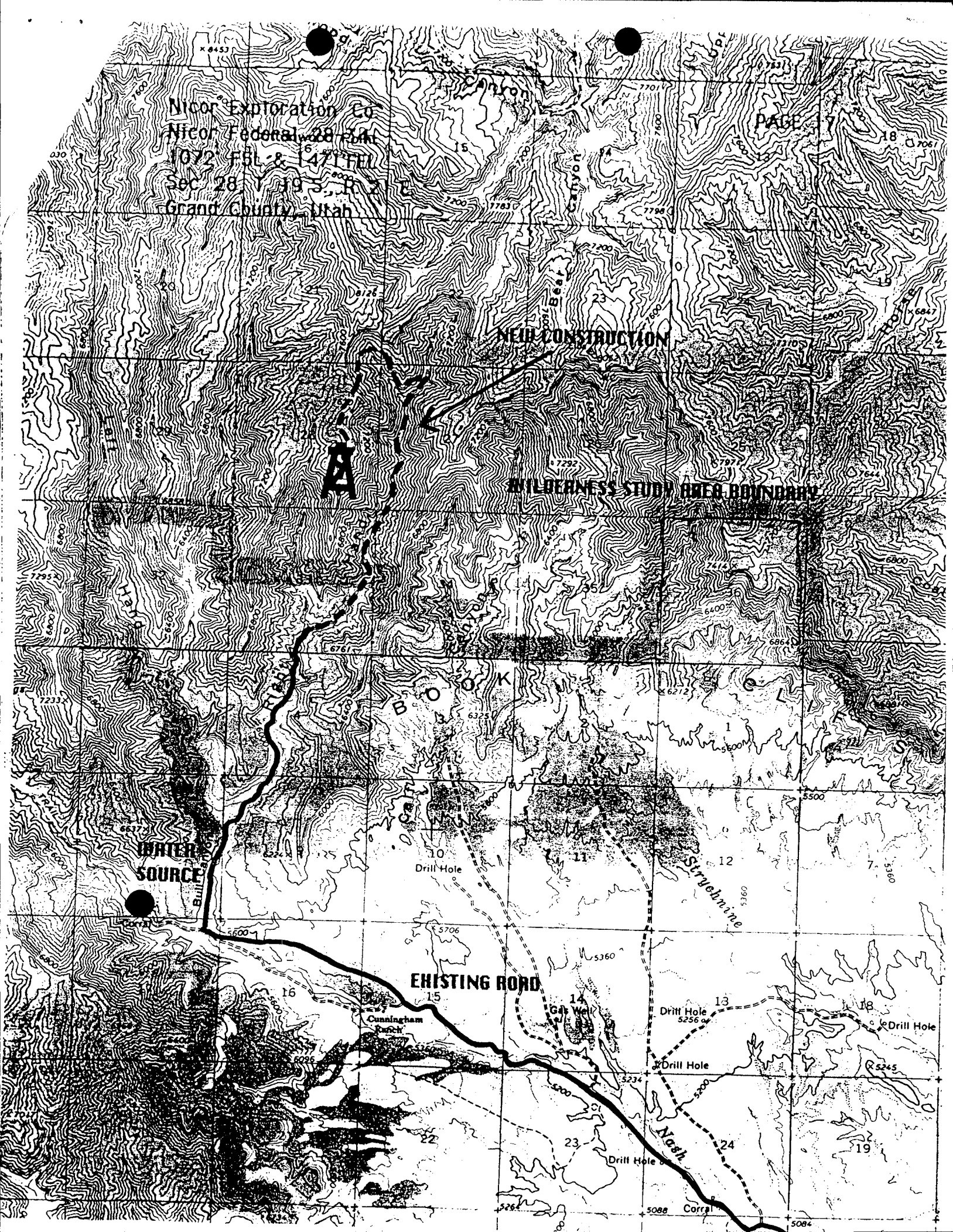
Drill Hole 5256

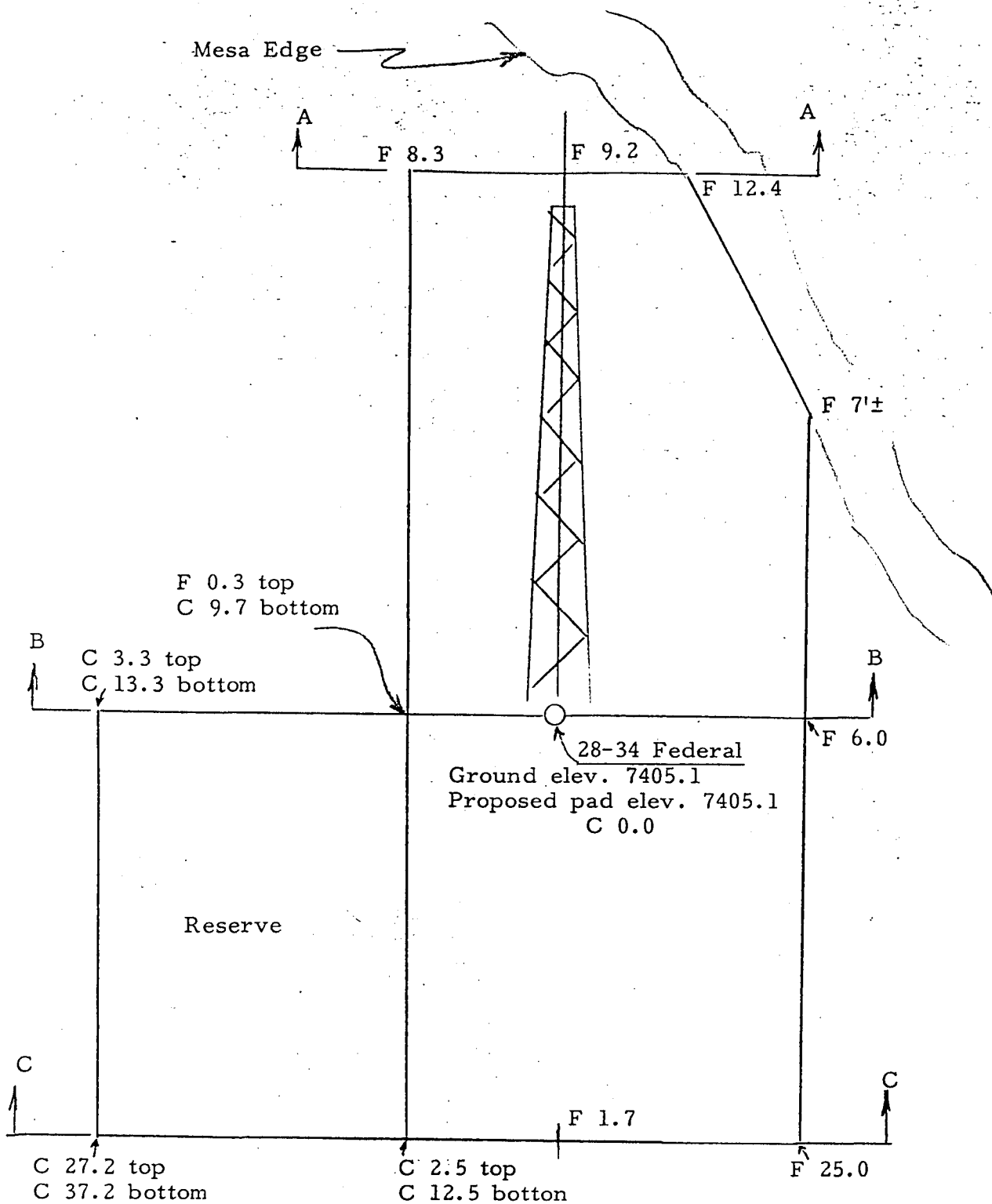
Drill Hole

Drill Hole

Drill Hole

Corral





Scale: 1" = 50'

THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

Nicor Exploration Co.
Nicor Federal 28-34
1072' FSL & 1471' FEL
Sec. 28, T. 19 S., R. 21 E.
Grand County, Utah

PAGE 1

All lease operations will be conducted in full compliance with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas Order #1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. The operator will furnish a copy of these conditions to his field representative to ensure compliance.

8 Point Drilling Program

Directional drilling was considered as an option for this well. After evaluation, directional drilling was discarded because it would more than double the drilling costs. Completion and production costs would also be increased. Given the small area (≈ 0.4 acre) of the drilling target, no alternate sites were feasible.

1. The estimated tops of important geologic markers are:

<u>Formation Name</u>	<u>Depth</u>	<u>Above Sea Level</u>
Wasatch	0000'	+7405'
Mancos "B"	4340'	+3065'
Dakota Siltstone	4890'	+2515'
Dakota	5007'	+2398'
Cedar Mountain	5158'	+2247'
Morrison	5213'	+2192'
Entrada	5650'	+1755'

Nicor Exploration Co.
Nicor Federal 28-34
1072' FSL & 1471' FEL
Sec. 28, T. 19 S., R. 21 E.
Grand County, Utah

PAGE 2

2. The estimated depths at which water, oil, gas, or other mineral bearing zones are expected to be encountered are:

<u>Formation Name</u>	<u>Type of Zone</u>	<u>Top & Bottom Depths</u>
Mancos "B"	Oil/Gas	4340'-4360'
Dakota	Oil/Gas	5007'-5100'
Cedar Mountain	Oil	5158'-5213'
Morrison	Oil	5213'-5650'
Entrada	Oil/Water	5650'-5800' (TD)

Surface and production casing will be set. Well will be drilled with air mist. All fresh water encountered during drilling will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

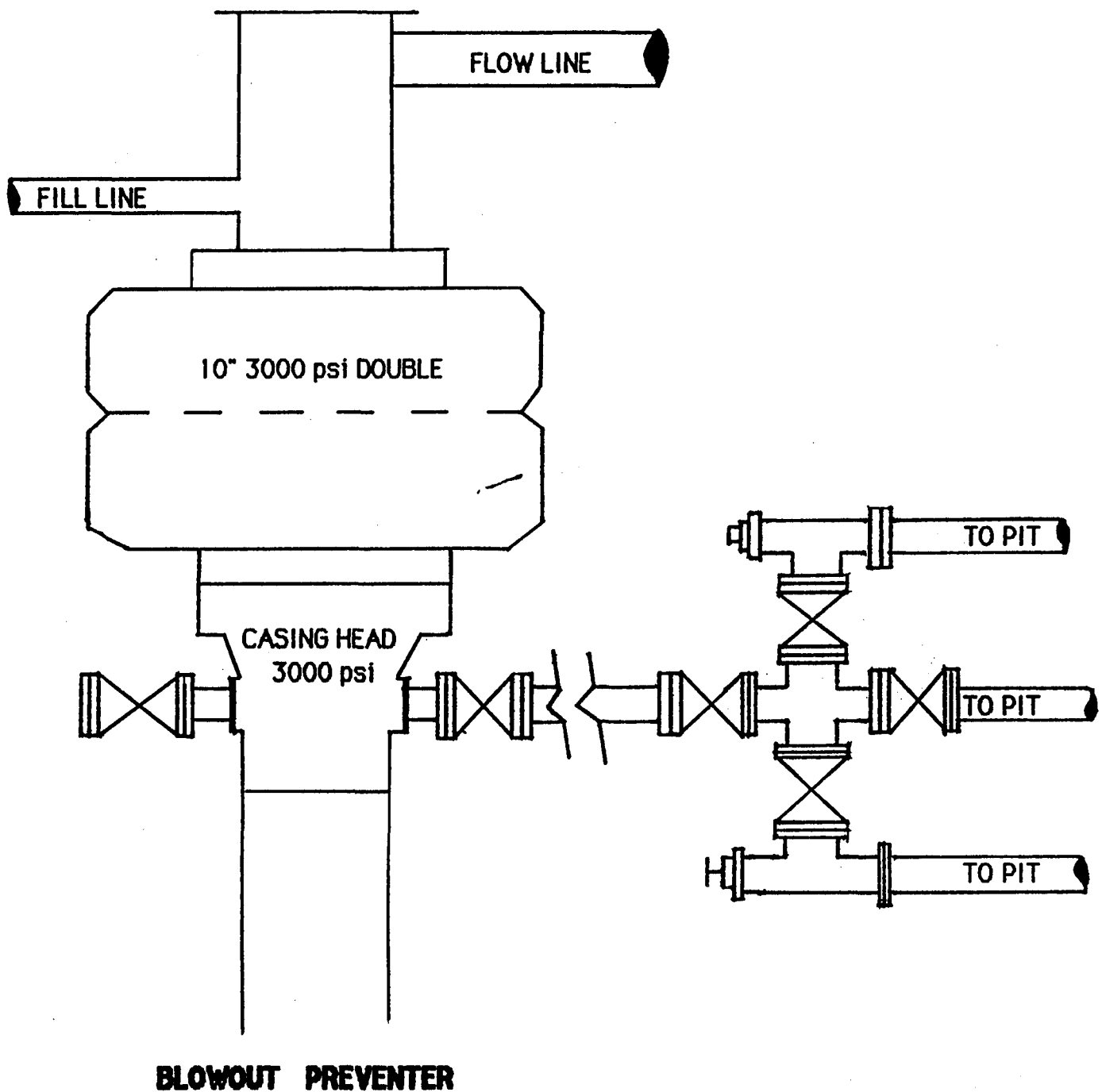
3. BOP systems will be consistent with API RP 53. A schematic diagram of the 10" 3000 psi BOP is on Page 3.

Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. BOP controls will be installed before drilling the surface casing plug, and will stay in use until the well is completed or abandoned. Preventers will be pressure tested before drilling casing cement plugs.

BOPs will be inspected, operated at least daily to ensure good mechanical working order, and the inspection recorded on the daily drilling report.

Nicor Exploration Co.
Nicor Federal 28-34
1072' FSL & 1471' FEL
Sec. 28, T. 19 S., R. 21 E.
Grand County, Utah

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Nicor Exploration Co.
Nicor Federal 28-34
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4. The proposed casing program is:

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	<u>Age</u>	<u>Setting Depth</u>
12-1/4"	8-5/8"	17*	K-55	ST&C	New	0'- 600'
7-7/8"	5-1/2"	15.5*	K-55	ST&C	New	0'-5800'

The proposed cementing program is:

<u>Type of Casing</u>	<u>Cement & Additives</u>	<u>Top</u>
Surface	430 sx Class G + 2%CaCl + 1/4 lb/sx Floseal	Surface
Production	Lead: 200 sx light + 1/4 lb/sx Floseal	*
Production	Tail: 100 sx Class G + 1/4 lb/sx Floseal	*
*Fill TD to 4800' (2000' of fill)		

5. The entire well will be drilled with an air mist. The blooie line will be misted to control dust. If mud is used, a mud logging unit will be installed. Pallets of gel, LCM, and lime will be on hand to control unexpected water flow.

6. No cores will be taken. The following logs will be run:

Ground Level to Total Depth: GR

Surface Casing to Total Depth: DIL - GR - CAL

4000' to Total Depth: FDC - CNL - GR - SP

If mud is used, then a drill stem test will be run in the Cedar Mountain, Morrison, and Entrada.

Whether the well is completed as a dry hole or producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later

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PAGE 5

than 30 days after completion of the well, or after completion of operations being performed, *per* 43 CFR 3164. Two copies of all logs, core descriptions & analyses, well test data, geologic summaries, sample descriptions, and all other data obtained during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. (If requested, sample cuttings, fluids, and/or gases will be submitted to the District Manager.)

7. The expected bottom hole pressure is 2697 psi.
No abnormal pressures, temperatures, or hydrogen sulfide are expected.
8. The anticipated spud date is August 15, 1985. It is expected it will take 8 days to drill the well and 7 days to complete the well.

Nicor will begin dirt work upon approval.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before operations resume.

The spud date will be phoned to the Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5), reporting the spud date and time, will be sent to the District Manager within 24 hours after spudding. If the spud is on a weekend or holiday, the Sundry will be sent on the following regular work day.

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Starting with the month in which operations begin, and continuing each month until the well is physically plugged and abandoned, a "Monthly Report of Operations" (Form 3160-6) will be sent to the District Manager.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual events will be promptly reported to the Resource Area *per* NTL-3A.

If a replacement rig is planned for completion, a Sundry Notice to that effect will be filed for prior approval of the District Manager. All conditions of this approved plan apply to all operations of the replacement rig. In emergencies, verbal approval can be given by the District Manager.

If the well is successfully completed for production, then the District Manager will be notified. Written notification will be sent not later than 5 business days following the date on which the well is placed on production. The Area Manager will schedule a first production conference within 15 days after receipt of the first production notice.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Manager. This preliminary approval will not exceed 30 days or 50 MMcf of gas. Approval to vent/flare beyond this initial period will require the District Manager's approval *per* NTL-4A.

No well abandonment operations will begin without the prior approval of the District Manager. Oral approval will be obtained from the District Manager for newly drilled dry holes, failures, or emergencies. A Sundry Notice will be sent to the District Manager within 30 days following completion of the well for abandonment. The Sundry will note where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the reclamation required by the approved APD or abandonment notice has been completed to the satisfaction of BLM.

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Once plugged, a capped regulation dry hole marker will be erected. The following information will be beaded on with a welding torch: Nicor Exploration Co., Nicor Federal 28-34, SWSE 28-19-21, U-0149776.

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13 Point Surface Use Plan

1. EXISTING ROADS (Pages 16 & 17)

From the West Cisco Exit on I-70 go 1.5 miles SE on U-128.
Then go 14.5 miles NW on the Nash Wash Road to the Cunningham Ranch.
Then go 2.0 miles N and NW to Bull Canyon.
Then go 0.8 miles N to Right Hand Fork.
Then go 2.3 miles NE to a fork in the road.
New construction will begin at the fork in the road.

The first 18.0 miles are county roads and will not need upgrading. The roads will be maintained to a standard equal to their present condition. An Encroachment Permit has been approved by the Grand County Road Dept.

The final 3.1 miles of existing road will require a BLM right-of-way. This road will not need upgrading, but will be maintained by a grader to remove rocks which have rolled onto the road.

2. PLANNED ACCESS ROADS (Page 17)

The first 3.0 miles of new construction will be off-lease road authorized by a right-of-way. The final half mile of new construction will be on-lease road authorized by the APD. All of the road has been flagged. All of the drainage crossings will be low water crossings. None of the roads will be surfaced, nor will any culverts be installed.

From the point at which new construction will begin, a road 3.5 miles in length will lead to the well. A 20' wide flatbladed road (maximum disturbed width of 30') will follow the canyon bottom for the first 2.0 miles. Average grade is 6% and maximum is 8%. Turnouts will be placed 1,000' apart in the

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last half mile.

(While a canyon bottom road is not ideal, it is a "practicable alternative" as referenced in Section 2(a)(2) of Executive Order 11988. Building two miles of bench cut road would unnecessarily and unduly increase the total environmental impact, further impair the wilderness suitability of the canyon, and add considerable difficulty to reclamation.)

The next 1.0 miles of 20' wide road (maximum disturbed width of 60') will require a full bench cut. Average grade is 10%, maximum grade will be 15%. Turnouts will be located every 1,000'. Road surface will be insloped 2-4% and drainage dips placed every 160'.

The final half mile of 20' wide road (maximum disturbed width of 30') will be flatbladed to minimize wilderness impairing impacts. Average grade will be 6%, maximum will be 8%. No turnouts will be used.

The road will be reclaimed or upgraded to Class III Standards within 60 days of dismantling the drill rig. If this deadline cannot be met, Nicor will notify the Area Manager so temporary drainage control can be installed.

Surface disturbance and vehicle travel will be limited to the approved location and road. Any extra area needed will be approved in advance by the Area Manager.

3. EXISTING WELLS

There are no water, injection, producing, or drilling wells within a 1 mile radius of the location. There is one shut-in gas well 5,071' SSW operated by J.C. Thompson at 1338 FSL and 2233 FEL Sec. 33, T.19 S., R. 21 E.

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4. PROPOSED PRODUCTION FACILITIES

The type and layout of the production facilities are not known now. A Sundry Notice will be submitted for approval before they are installed.

All permanent (onsite for at least 6 months) structures, including pump jacks, will be painted a flat, nonreflective Juniper Green color within 6 months of installation. OSHA parts may be excluded.

If a tank battery is built, it will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the battery. All loading lines will be placed inside the dike.

All site security guidelines in 43 CFR 3162.7 will be obeyed. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, must have the prior written approval of the District Manager.

Gas meter runs for each well will be within 500' of the wellhead. The gas flowline will be buried from the wellhead to the meter, along with any other sections on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well pad. Meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted monthly for the first 3 months on new meters, and at least quarterly thereafter. The Area Manager will be provided with a date and time for the first meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be sent to the Area Manager. All meters will conform with the API standards for liquid hydrocarbons and AGA standards for natural gas measurement.

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5. WATER SUPPLY (Page 17)

Any water needed will be pumped directly from Nash Wash (SESW 8-20-21) into a truck and hauled to the well. No construction will be done. This is casual use as defined in 43 CFR 2800.0-5(m) and BLM Manual 2801 A.2.b., c., & d. A temporary permit to appropriate water has been filed with the State. Nicor will not use any water without Bill Cunningham's permission.

6. CONSTRUCTION MATERIALS

All construction materials are native *in situ* soils on lease. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

7. WASTE DISPOSAL

The reserve pit will not be lined unless fractured rock is encountered. At BLM's request during the on-site, the reserve pit (Page 18) will be reduced in size and shifted south to avoid a large cut on the north. It will be fenced on 3 sides with 3 strands of barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit is drying.

All trash will be placed in a portable trash cage. When full, it will be hauled to an approved landfill.

Human waste will be disposed of in 20' deep ratholes or chemical toilets. The ratholes will be immediately filled when the trailers are removed.

Produced water will be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period an NTL-2B

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application will be submitted for the District Manager's approval of a permanent disposal method and site.

8. ANCILLARY FACILITIES

There will be no ancillary facilities.

9. WELL SITE LAYOUT

See Page 18 and afterwards for depictions of the well pad, cross sections, cut and fill diagrams, reserve pit, access road onto the pad, parking, living facilities, soil stockpile, and rig orientation.

The trees and top 8" of topsoil will be removed from the location and stockpiled separately on the east side of the location.

10. RECLAMATION

Immediately upon completing drilling, the pad and surrounding area will be cleared of all remaining debris, materials, trash, and junk not required for production.

Nicor will contact the Area Manager 48 hours before starting reclamation dirt work, and upon completion of reclamation. (In the event of production, the pit and that part of the pad not needed for production will be reclaimed as follows.)

All disturbed areas will be recontoured to the approximate natural contours. Stockpiled topsoil will be evenly distributed over disturbed areas. Prior to seeding, all disturbed areas, including roads, will be scarified and left with

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a rough surface.

Seed will be broadcast at a time specified by BLM. A harrow or similar implement will be dragged over the seeded area to assure seed cover. The following seed will be sown:

<u>Species</u>	<u>lbs/ac</u>
Bluebunch wheatgrass	2
Indian ricegrass	2
Crested wheatgrass	2
Yellow sweetclover	1
Alfalfa	1
Antelope bitterbrush	2
Fourwing saltbush	2
Mexican cliffrose	2

11. OWNERSHIP

The surface and mineral owner is the U.S. Government.

12. OTHER INFORMATION

There will be no change from the proposed drilling and/or workover plan without prior approval from the District Manager. A Sundry Notice will be filed for approval for all changes of plans and other operations *per* CFR 43 3164.

Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified *per* 43 CFR 3162.2.

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If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the Area Manager will be called.

This permit will be valid for one year from the date of approval. After the permit expires, a new application will be filed for approval of any future operations.

The District Manager's mailing address is P.O. Box 970, Moab, Utah 84532. His phone number is 801-259-6111.

The Area Manager's mailing address is P.O. Box M, Moab, Utah 84532. His phone number is 801-259-8193.

From the well, the nearest hospitals are 75 miles east in Fruita, Colorado or 80 miles south in Moab, Utah. Nearest gas stations, public phone, food, etc. are 41 miles southwest in Thompson, Utah.

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Grand County, Utah

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13. REPRESENTATION AND CERTIFICATION

For questions concerning the APD, please contact:

Brian Wood
Permits West, Inc.
P.O. Box 1105
Monticello, Utah 84535
801-587-2087

Nicor Exploration's field representative is:

John Freshwater, Manager - Operations
Nicor Exploration Co.
1667 Cole Blvd.
Golden, Co. 80401
303-232-9292

CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Nicor Exploration Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date May 23, 1985

Name Brian Wood

Brian Wood - Consultant for Nicor Exploration Co.

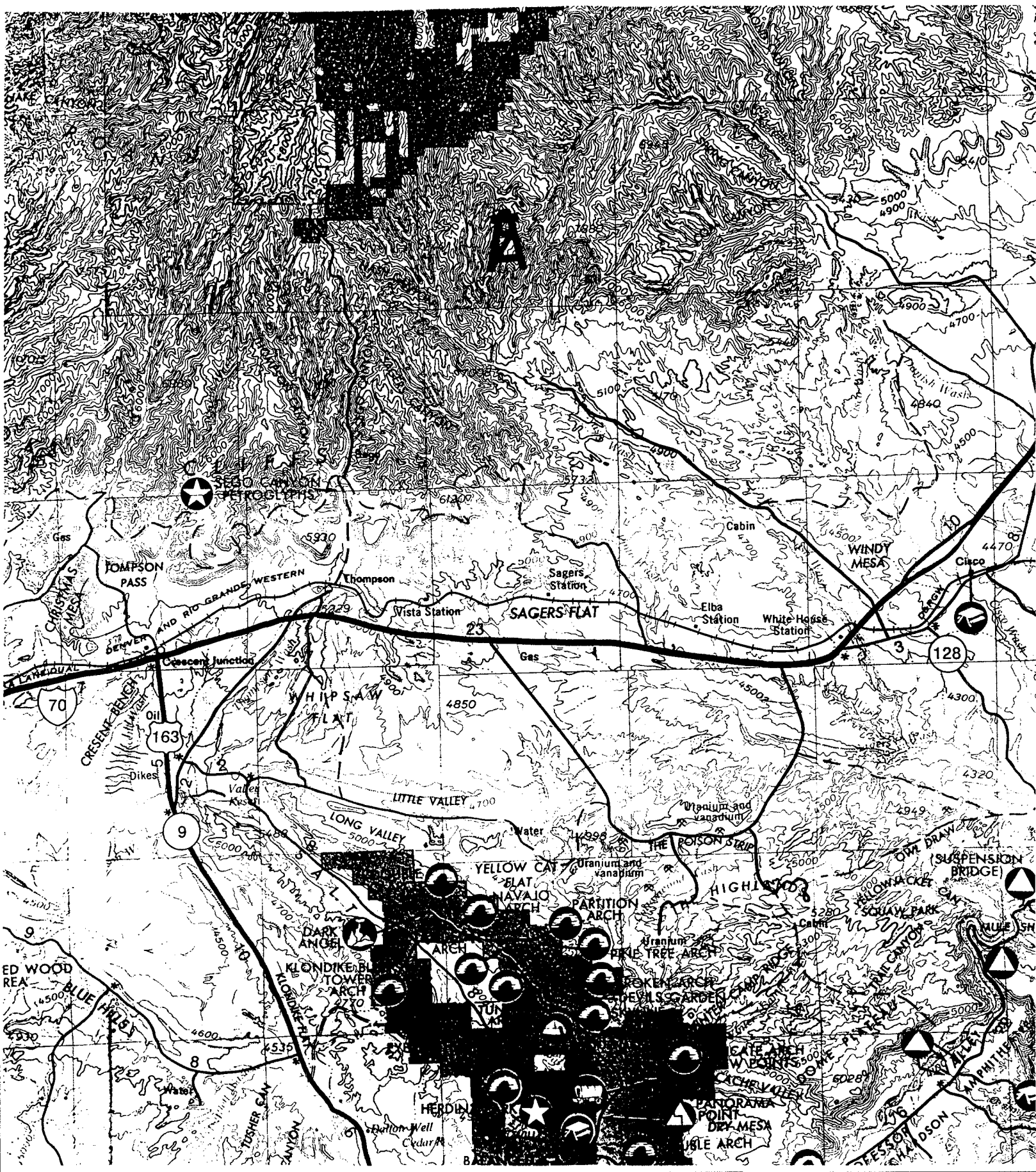
PERMITS WEST
PROVIDING PERMITS for the ENERGY INDUSTRY

Nicor Federal 2804

1072' FSL & 1471' FEL

Sec. 28, T. 19 S., R. 21 E.

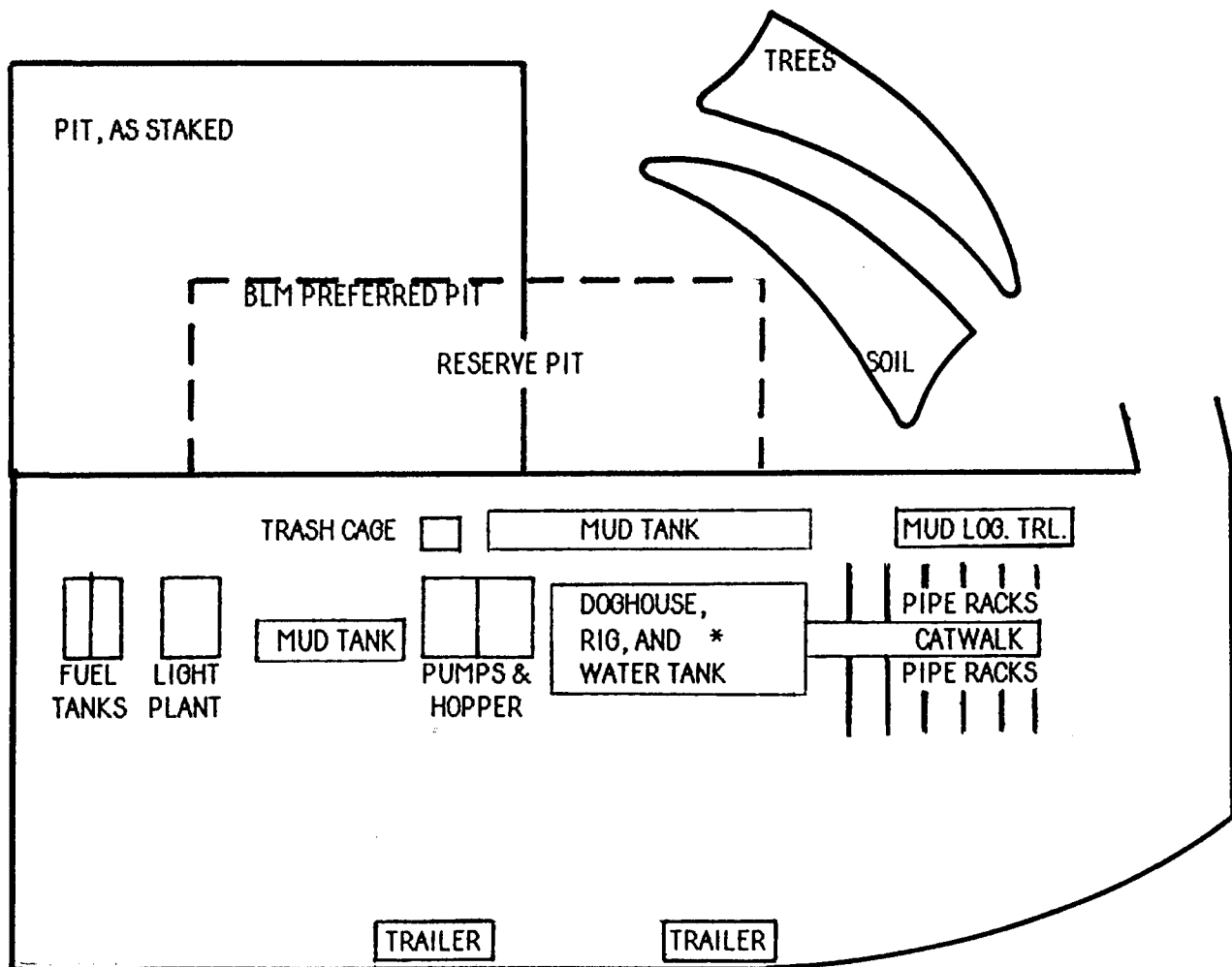
Grand County, Utah



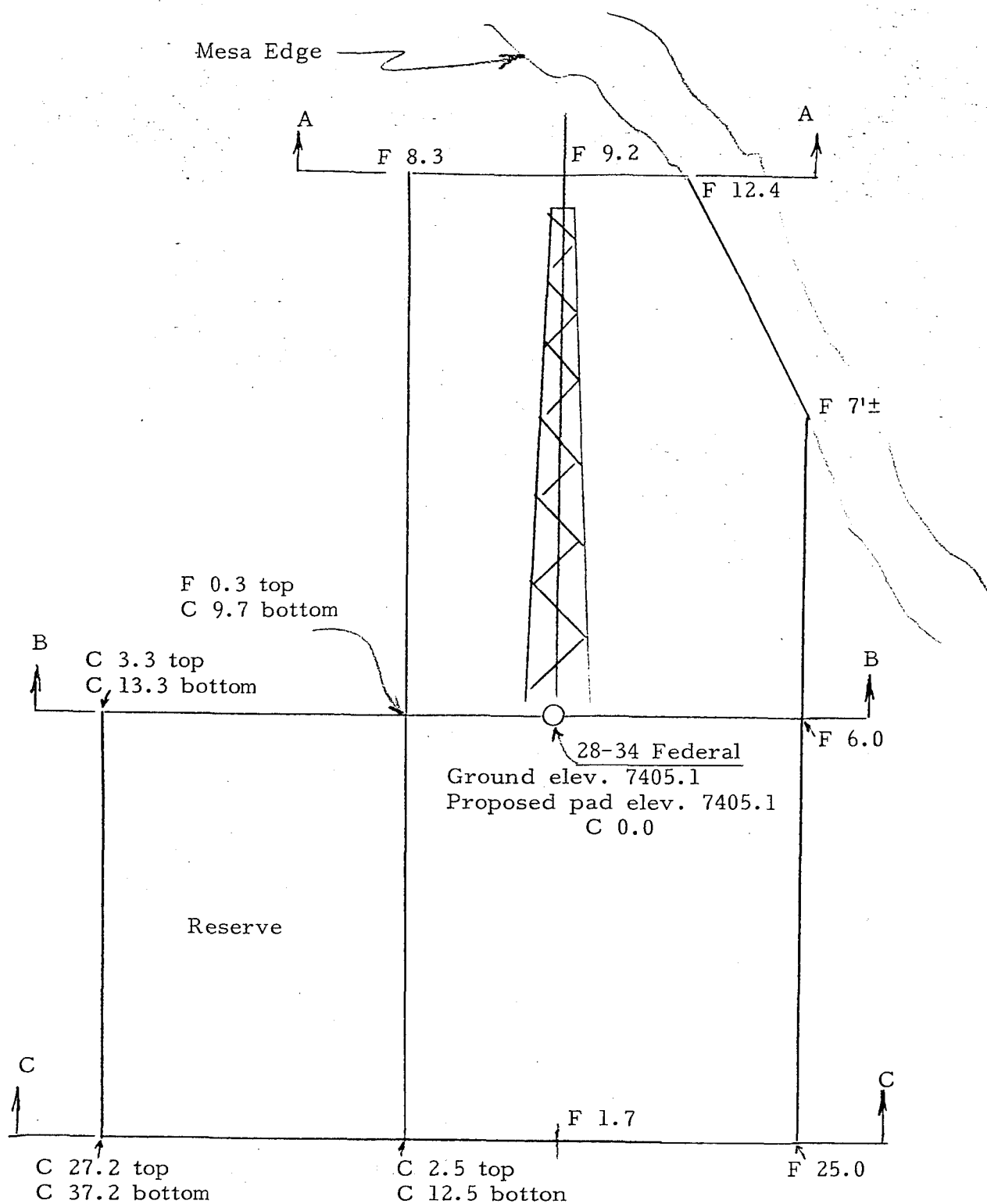
PAGE 17

Nicor Exploration Co.
Nicor Federal 28-34
1072' FSL & 1471' FEL
Sec. 28, T. 19 S., R. 21 E.
Grand County, Utah

PAGE 18



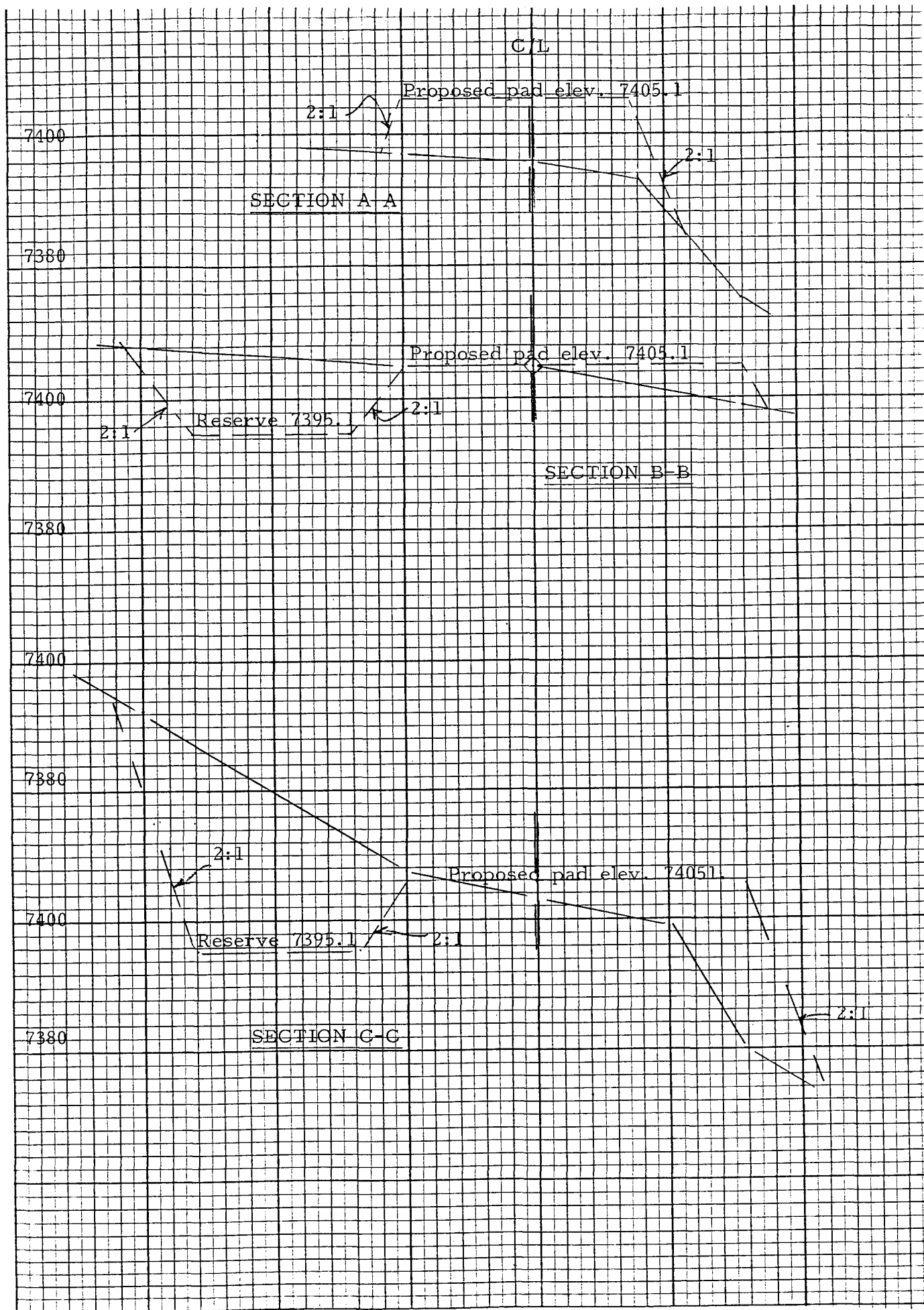
NORTH
←



Scale: 1" = 50'

THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496



Horizontal scale: 1" = 50'
Vertical scale: 1" = 20'

THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: BUREAU OF LAND MANAGEMENT - Moab, Utah
SERIAL NO.: U-0149776

and hereby designates

NAME: NICOR Exploration Company
ADDRESS: 1667 Cole Blvd.
Golden, Colorado 80401

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Township 19 South, Range 21 East

Section 28: All

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

HARPER OIL COMPANY

By: Charles E. Mertz
Charles E. Mertz (Signature of lessee)
Attorney-in-fact

May 22, 1985
(Date)

P. O. Box 5928 T.A., Denver, CO 80217
(Address)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and thereto does not require OMB approval.



NICOR EXPLORATION

One of the NICOR
basic energy companies

1667 Cole Boulevard Golden, Colorado 80401 Phone 303 232 9292

May 17, 1985

To Whom it May Concern:

NICOR Exploration authorizes Brian Wood of Permits West, Inc. to represent us as our agent for the NICOR 28-34 Federal Well. This includes conducting the on-site, preparing the APD, signing the APD and right-of-way, and any related matters.

Sincerely,

K. C. Wardwell
Exploration Manager

KCW/mw

OPERATOR Nico Exploration Co. DATE 5-30-85
WELL NAME Subal 28-34
SEC SWSE 28 T 19S R 21E COUNTY Grand

43-019-31188
API NUMBER

Sub.
TYPE OF LEASE

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST WELL

☒ LEASE

☒ FIELD

☒ POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other wells within 4960'

Need water permit

Exception location

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT

☐ C-3-a _____ CAUSE NO. & DATE

☐ C-3-b

☒ C-3-c

STIPULATIONS:

1- water

2- Exception location



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 3, 1985

Nicor Exploration Company
1667 Cole Blvd.
Golden, Colorado 80401

Gentlemen:

Re: Well No. Federal 28-34 - SW SE Sec. 28, T. 19S, R. 21E
1072' FSL, 1471' FEL - Grand County, Utah

Approval to drill the above referenced gas well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.
2. Submittal to the Division of information justifying the necessity for an exception location and verification of ownership within a radius of 500 feet of the proposed location.

In addition, the following actions are necessary to fully comply with this approval:

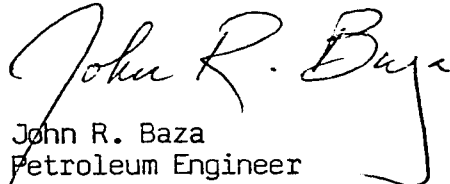
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2
Nicor Exploration Company
Well No. Federal 28-34
June 3, 1985

4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31188.

Sincerely,



John R. Baza
Petroleum Engineer

as
Enclosures
cc: Branch of Fluid Minerals

PERMITS WEST INC.
PROVIDING PERMITS for the ENERGY INDUSTRY
P.O. Box 1105, Monticello, Utah 84535 (801) 587-2087

June 3, 1985

Arlene Sollis
Utah Div. of Oil, Gas, & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

JUN 05 1985

DIVISION OF OIL
GAS & MINING

Dear Arlene,

As requested, I am asking that NICOR Exploration Co. be granted an exception for the NICOR Federal 28-34 Well (Sec. 28, T. 19 S., R. 21 E.) *per* Rule C-3(c):

1) As stated on PAGE 1 of the APD, the geologic target is of a size and in a location so as to prevent an orthodox location.

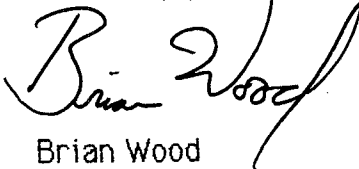
2) As seen on PAGE 17 and the surveyor's plats of the APD, topography prevents an orthodox location. An orthodox location in the SWSE would be on slopes in excess of 45 degrees.

3) The ownership of all oil and gas leases within a radius of 660 feet of the proposed well is common with the ownership of the oil and gas lease under the proposed well.

NICOR Exploration will submit an approved permit to appropriate water before spudding the well.

Please feel free to call me if you have any other questions.

Sincerely yours,


Brian Wood

cc: John Freshwater



United States Department of the Interior 3162 (U-065)

BUREAU OF LAND MANAGEMENT

Moab District
P. O. Box 970
Moab, Utah 84532

SEP 30 1986

RECEIVED
OCT 01 1986

**DIVISION OF
OIL, GAS & MINING**

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. John Baza

Re: Requests of Status of Wells

Dear Mr. Baza:

We are replying to your requests for status on the following wells:

- 1) F-L Energy Corporation
Well No. Alker Federal 1-11
Sec. 11, T. 15 S., R. 12 E.
Well No. Alker Federal 1-15
Sec. 15, T. 15 S., R. 12 E.
Lease U-52626

Approval was given for the extension of application on Well No. 1-11 until 10/18/86, so Wells 1-11 and 1-15 could be drilled at the same time. No activity at this time.

- 2) Howell Oil Company
Well No. Gebauer-Risenhoover 24
Sec. 7, T. 42 S., R. 19 E.
Lease U-7303

We are in the process of rescinding this application.

- 3) Nicor Exploration Company
Well No. Federal 28-34
Sec. 28, T. 19 S., R. 21 E.
Lease U-0149776

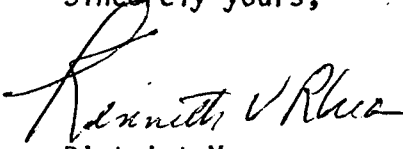
Application was returned unapproved. Lease terminated two days after the receipt of the application.

- 4) TXO Production Company
Well No. ARCO Federal "B" 2
Sec. 6, T. 16 S., R. 25 E.
Lease U-9831

The pad was built, but the well was never drilled. TXO has intentions to drill this well at some point in the future (under a new APD) and has asked for approval to leave the well pad as is. This approval will be granted on a yearly basis. Approval was granted September 1, 1986.

If you have any questions, please contact the Branch of Fluid Minerals (801) 259-6111.

Sincerely yours,


ACTING District Manager

MOAB DISTRICT OFFICE

F-L ENERGY CORPORATION

Alker Federal Well No. 1-11
Sec.11, T.15S, R.12E,
Carbon County, Utah
API NO. 43-007-30094

Alker Federal Well No. 1-15
Sec.15, T.15S, R.12E,
Carbon County, Utah
API NO. 43-007-30113

HOWELL OIL COMPANY

Gebauer Risenhoover Well No. 24
Sec.7, T.42S, R.19E
San Juan County, Utah
API No. 43-037-31155

NICOR EXPLORATION COMPANY

Federal Well No. 28-34
Sec.28, T.19S, R.21E,
Grand County, Utah
API NO. 43-019-31188

TXO PRODUCTION COMPANY

ARCO Federal "B" Well No. 2
Sec.6, T.16S, R.25E
Grand County, Utah
API No. 43-019-31146



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

101505

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 6, 1986

Nicor Exploration Company
1667 Cole Blvd.
Golden, Colorado 80401

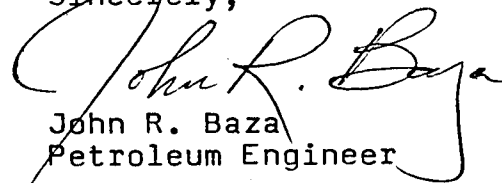
Gentlemen:

RE: Well No. Federal 28-34, Sec.28, T.19S, R.21E,
Grand County, Utah, API NO. 43-019-31188

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,


John R. Baza
Petroleum Engineer

sb
cc: BLM-Moab
D. R. Nielson
R. J. Firth
✓ Well file
0327T-7

RECEIVED

JUN 17 1985

WATER RIGHTS
PRICE

To Whom it May Concern:

I hereby agree to sell water from Nash Wash to NICOR Exploration Co., or any of its contractors, for use with the NICOR Federal 28-34 Well (1072' FSL & 1471' FEL Sec. 28, T. 19 S., R. 21 E., Grand County, Utah). The amount of water sold will not exceed 2.0 acre-feet.

I also agree to this temporary change in the use of my water rights.

Bill Cunningham
Bill Cunningham

6/12/85
Date



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

453 South Carbon Avenue • P.O. Box 718 • Price, UT 84501 • 801-637-1303

June 24, 1985

Permits West, Inc.
Attn: Brian Wood
P.O. Box 1105
Monticello, Utah 84535

Re: Temporary Change 85-01-8

Dear Mr. Wood:

The above referenced Temporary Change Application has been approved.
A copy is herewith enclosed for your records and information.

If you have any questions, please feel free to contact me.

Sincerely,

Mark P. Page
Area Engineer
for Robert L. Morgan, P.E.
State Engineer

Enclosure

RLM/MPP/mjk

RECEIVED

JUN 17 1985

WATER RIGHTS
PRICE

Well 28-34 Federal is located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$
of Section 28, T.19S., R.21E., S.L.M.,
Grand County, Utah

SECTION 28,

T.19S., R.21E., S.L.M.,
Grand County, Utah

Nicor 28-34 Federal

1471.2'

1072.3'

Scale:
1" = 1000'

Soil: Rocky Mesa Top.
Vegetation: Pinon-juniper
cover.

1932
USGLO
brass caps
W $\frac{1}{4}$ Cor. Sec. 34

Ref. point elev. 7401.4

Rim of
Mesa

Reserve
pits

Well 28-34 Federal
Elev. 7405.1

Laydown: S.12°32'E.

3 miles of new road
construction required
for access

S.11°53'E. - 206.4'

Ref. point elev. 7395.69'

Scale: 1" = 100'

Elevation referenced to
USGS map elevation as
shown in the NE $\frac{1}{4}$ of
Section 28 on the
Sego Canyon, Utah,
quad map.

BEFORE ALL MEN BY THESE PRESENTS:
THAT I, FREDRIC P. THOMAS
hereby certify that I prepared this plat from an
actual and accurate survey of the land and that the
same is true and correct to the best of my knowledge
and belief.

Fredric P Thomas

FREDRIC P THOMAS
Reg. L.S. and P.E.
Colo. Reg. No. 6728
Utah Reg. No. 4346

Bearing by
Sole
observation



THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

031103

APPLICATION NO. 85-01-8
DISTRIBUTION SYSTEM

Application For Temporary Change of Point of Diversion,

RECEIVED

Place or Purpose of Use

RECEIVED

STATE OF UTAH

JUN 26 1985

(To Be Filed in Duplicate)

JUN 24 1985

DIVISION OF OIL
GAS & MININGMonticello, Utah
PlaceJune 18, 1985
DateWATER RIGHTS
PRICEFor the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use
(Strike out written matter not needed)of water, the right to the use of which was acquired by 01-7 (A-498) Cert. No. 843
(Give No. of application, title and date of Decree and Award No.)
to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

- The owner of right or application is William W. Cunningham et al
- The name of the person making this application is Permits West, Inc. Attn: Brian Wood
- The post office address of the applicant is P.O. Box 1105 Monticello, Utah 84535

PAST USE OF WATER

- The flow of water which has been used in second feet is 1.00
- The quantity of water which has been used in acre feet is
- The water has been used each year from April 1 to November 1 incl.
(Month) (Day) (Month) (Day)
- The water has been stored each year from to incl.
(Month) (Day) (Month) (Day)
- The direct source of supply is Nash Wash in Grand County.
- The water has been diverted into earthen ditches ditch canal at a point located
1) N. 410 ft. & W. 1750 ft. from E $\frac{1}{4}$ Cor. Sec. 16;
2) S. 250 ft. & W. 2200 ft. from NE Cor. Sec. 17, Both T20S, R21E, SLB&M.
- The water involved has been used for the following purpose: Irrigation

Total 46.2 acres.

NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purposes, give place and purpose of use.

THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

- The flow of water to be changed in cubic feet per second is
- The quantity of water to be changed in acre-feet is 2.0
- The water will be diverted into the tank trucks ditch canal at a point located
N. 410 ft. & W. 1750 ft. from E $\frac{1}{4}$ Cor. Sec. 16, T20S, R21E, SLB&M.
- The change will be made from August 1, 1985, to December 31, 1985.
(Period must not exceed one year)
- The reasons for the change are Change in the nature of use.
- The water involved herein has heretofore been temporarily changed 1 years prior to this application.
(List years change has been made)
- The water involved is to be used for the following purpose: Drilling and maintenance purposes for the
Nicor Federal 28-34 well located at the following point: N. 1072 ft. & W. 1471 ft.
from the SE Cor. Sec. 28, T19S, R21E, SLB&M. Total _____ acres.

NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

EXPLANATORY

Permits West Inc. is filing the Temporary Change Application in behalf of
Nicor Exploration Co.

A filing fee in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer

Brian Wood
Signature of Applicant

RULES AND REGULATIONS

(Read Carefully)

This application blank is to be used only for temporary change of point of diversion, place or nature of use for a definitely fixed period not to exceed one year. If a permanent change is desired, request proper application blanks from the State Engineer.

Application for temporary change must be filed in duplicate, accompanied by a filing fee of \$7.50. Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:

State Engineer
State Capitol Building
Salt Lake City, Utah

STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

Change Application No.

(River System)

1. NA Application received by Water Commissioner
(Name of Commissioner)
- Recommendation of Commissioner
2. June 24, 1985 Application received over counter in State Engineer's Office by [Signature]
by mail
3. Fee for filing application, \$7.50 received by ; Rec. No.
4. Application returned, with letter, to for correction.
5. Corrected application resubmitted over counter to State Engineer's Office.
by mail
6. Fee for investigation requested \$
7. Fee for investigation \$, received by : Rec. No.
8. Investigation made by ; Recommendations:
9. Fee for giving notice requested \$
10. Fee for giving notice \$, received by : Rec. No.
11. Application approved for advertising by publication by
mail
12. Notice published in
13. Notice of pending change application mailed to interested parties by as follows:
14. Change application protested by
(Date Received and Name)
15. Hearing set for , at
16. 6-24-85 Application recommended for rejection by [Signature]
approval
17. Change Application rejected and returned to [Signature]
approved

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1.
2.
3.

[Signature]
for State Engineer



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Noir

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

453 South Carbon Avenue • P.O. Box 718 • Price, UT 84501 • 801-637-1303

June 24, 1985

RECEIVED

JUN 26 1985

DIVISION OF OIL
GAS & MINING

Division of Oil, Gas & Mining
Attn: Arlene Sollis
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Temporary Change 85-01-8

Dear Arlene:

Enclosed is a copy of the above referenced Temporary Change Application.
Please keep this copy for your records and information.

Please contact us if you have any questions.

Sincerely,

Mark P. Page

Mark P. Page
Area Engineer

Enclosure

MPP/mjk